

Table of Contents

History and Purposes	3
Denison: A Rich History	3
Denison: Character, Philosophy and Mission	4
Freedom of Expression and Academic Freedom	6
The Value of Diversity to a Liberal Arts Education at Denison	7
Mission Statement on Campus Sustainability	7
Accreditation and Recognition	8
Residential Education & Housing	8
Denison at a Glance	9
The Academic Program	10
An Overview	10
Degrees Offered and Graduation Requirements	10
The General Education Program	11
Academic Majors	12
Electives	13
Educational Planning and Advising	13
The Lisska Center for Scholarly Engagement	14
Special Academic Projects	18
Special Academic Honors	19
Registration	20
Statement of Petition Policy	21
Privacy Policy	24
Special Academic Regulations	25
Library, Information Resources, and Information Technology Services	27
Assessment of Academic Programs	28
Courses of Study 2017-2018	29
Anthropology and Sociology	29
Arabic	33
Art History and Visual Culture	37
Art Studio	42
Astronomy	48
Biology	50
Black Studies	61
Chemistry and Biochemistry	68
Chinese	75
Cinema	78
Classical Studies	81
Communication	85
Computer Science	95
Dance	101
Data Analytics	110
Denison Seminars	113
East Asian Studies	113
Economics	119
Educational Studies	127
English	131
Environmental Studies	138

First-Year Program	146
French	147
Geosciences	150
German	156
Global Commerce	159
Health, Exercise, and Sport Studies	163
History	170
Interdepartmental	183
International Studies	184
Japanese	187
Latin American and Caribbean Studies (concentration only)	190
Lugar Program	192
Mathematics	193
Music	199
Narrative Nonfiction Writing (concentration only)	212
Neuroscience (concentration only)	214
Off-Campus Study	216
Organizational Studies	221
Philosophy	223
Philosophy, Politics and Economics (PPE)	230
Physics	232
Political Science	236
Portuguese	246
Psychology	248
Queer Studies (concentration only)	259
Religion	264
Spanish	270
Theatre	277
Women's and Gender Studies	284
Writing Program	292
Special Courses and Opportunities	294
Pre-Professional Programs	294
Denison Internship Program	295
Denison Museum	296
Service-Learning	296
Advising Circles	296
Center for Learning and Teaching	297
Admission, Costs, and Financial Aid	298
Admission	298
Annual Costs	300
Financial Aid Information	305
Index	309

History and Purposes

Denison: A Rich History

Denison holds a storied place in American higher education. Among the earliest colleges to be established in the original "Northwest Territory" beyond the Allegheny Mountains and north of the Ohio River, it held its first classes during the presidency of Andrew Jackson. Its founders were ambitious frontier people, determined to nurture leadership for education, commerce, religion, and government. For their initial guidance, they turned to graduates of Brown University in Rhode Island, which had a history of preparing clergy in the Baptist tradition for service in the West. First called the Granville Literary and Theological Institution, it soon took the name Granville College, and in the mid-1850s, Denison University, in honor of a key benefactor.

The college's early fortunes rose and fell with the leading developments of the young American nation: the canal and railroad booms, westward expansion, sectionalism and civil war. Students, professors, and graduates alike were deeply engaged with the central issues of their times. Many were committed to anti-slavery activism. Others took an early interest in women's education, providing encouragement for not one, but two women's colleges in Granville. By the end of the Civil War, women were joining men in Denison classes, and at the turn of the century, adjacent Shepardson College for Women was physically integrated into Denison. The early curriculum was broad and demanding: classical languages, English grammar, rhetoric, mathematics, history and geography, philosophy and theology, and especially following the Darwinian revolution of the mid-nineteenth century, natural sciences.

Well before it reached its first centennial, Denison had gained a reputation for attracting outstanding professors and college leaders, sending a number on to advance higher education across the country. William Rainey Harper, founding president of the University of Chicago, held one of his first professorships at Denison. Clarence Luther Herrick, later president of the University of New Mexico, served Denison as Professor of Geology and Natural History and initiated an innovative scholarly journal *Bulletin of the Scientific Laboratories of Denison University*, in 1885. Denison president E. Benjamin Andrews subsequently led Brown University and served as chancellor of the University of Nebraska. President Daniel Purinton took leadership of West Virginia University. The growing academic reputation of Denison briefly encouraged the faculty and Trustees to offer graduate degrees, but by the early twentieth century it was clear that the strength of the institution was in high-quality undergraduate instruction, and the title "university" was retained primarily for historical reasons.

Focus upon leadership in undergraduate education and commitment to the residential principle led the college to develop concrete plans for the physical expansion of the campus and measured growth, with the college reaching its present size of about 2,200 students by 1970. In 1916, the famed landscape architectural firm of Frederick Law Olmsted Sons, whose founder was the designer of New York City's Central Park, some of the great Chicago lakefront parks, and a number of distinguished college campuses, produced an innovative design for Denison. The "Olmsted Plan" has remained the touchstone for the continuing development of the Denison campus, locating academic halls on the center of the College Hill, placing residential halls on the east and west wings of the ridge, and arranging buildings in quadrangles, sometimes leaving one side open to take advantage of the views across the hills and valleys north and south. The plan also posited a pedestrian-friendly campus that encouraged the chance meetings and casual conversations among both students and faculty that advance learning and friendship. Denison's Reese-Shackelford Common (completed 2003) fulfills this plan, creating an open quadrangle flanked by the state-of-the-art Samson Talbot Hall of Biological Science and the Burton D. Morgan Center, housing programs promoting connections between a Denison education and the world beyond college. The campus's latest residence halls are all of apartment style, allowing students to progress during their four years from traditional double rooms through suites and singles, and apartments

with kitchens. Residentiality is a key component of a Denison education, creating a four-year, on-campus living and learning experience for the students.

In 2008, Denison completed an ambitious comprehensive financial campaign, raising nearly \$178 million from alumni, foundations, and friends of the college. These resources permitted the college to add sixteen new endowed professorships, increase resources for student scholarships and financial aid, endow student research programs and faculty professional development, invest in student life opportunities, and ensure that Denison's hilltop campus remains one of the most beautiful and well-equipped in the nation. In 2009, Denison celebrated the opening of the Bryant Arts Center, a contemporary 45,000 square foot facility for studio art and art history that has been built within and alongside the classical walls of a century old building and that has earned a LEED Gold environmental sustainability rating from the US Green Building Council. A major renovation and expansion of Ebaugh Chemistry and Biochemistry Laboratories opened in August 2011. Exceptional alumni financial support made possible a new aquatics center and a major expansion and renovation of Denison's Mitchell Athletics and Recreation Center, which was completed in 2013. In February 2017, construction began on the new Michael D. Eisner Center for Performing Arts. The Center will house the departments of Dance, Music and Theatre and provide over 100,000 square feet of space for fine arts programming. The Eisner Center is scheduled to open in January 2019.

Today's Denison, a recognized leader among 21st century American liberal arts colleges, builds upon all of these founding traditions. A non-sectarian institution independent of any denominational affiliation since the 1960s, Denison actively seeks outstanding students from across the country and around the world. Denison offers a rich and deep education in the natural sciences, humanities, social sciences, and fine arts and extraordinary campus leadership opportunities aimed at preparing graduates who will make a difference in their communities, their country, and the world. A pioneer in the creation of an interdisciplinary curriculum in Environmental Studies, Denison is fully committed to promoting individual and institutional environmental sustainability. The college is a signatory to both the American College and University Presidents' Climate Commitments and the international Talloires Declaration for a Sustainable Future.

Denison: Character, Philosophy and Mission

As a residential undergraduate liberal arts college, Denison is among those places that have been called "distinctively American" in their contribution to higher education worldwide. In fact, it is one of a select number of institutions that today define the type. Confident in the distinction of its graduates and advantaged by unusual resources, Denison has pointedly resisted the tendency in higher education to add layers of graduate degrees, professional schools, and service functions beyond the scope of baccalaureate education of the highest order. Entering its 186th year, Denison has maintained a fully residential campus based upon the well-tested premise that learning flourishes in community.

Denison selectively admits successful, confident, and motivated students who seek to take advantage of highly participatory learning within classroom, laboratory, and studio and who expect to learn and grow through their investment in the challenges and opportunities of college life. The college attracts matriculants from across the country and more than three dozen nations. Denison engages students with outstanding professors in small classes that encourage men and women to take a high degree of personal responsibility for learning. Students pursue a major field of study selected from thirty-nine areas offered by twenty eight disciplinary departments and interdisciplinary programs in the divisions of Natural Science, Humanities, Social Science, and Fine Arts as well as completing a sequence of General Education and a personalized curriculum of electives from across the college. A Denison education is not just for a living, but for a life. Denison graduates are educated to be curious, resourceful, and reflective. They are expected to begin a life of learning at Denison, not complete it. They are well prepared for the rapidly changing world of the 21st century.

Nothing defines a Denison education more than the mutually-enriching relationships that develop between students and faculty. The heart of the college is a full-time faculty of over 220 professors. These men and women, who hold the most advanced degrees in their fields, are selected on the basis of pedagogical and scholarly ability and are encouraged to be innovative teachers whose continuing growth in their discipline through active scholarship allows them to be among the best at their craft. They look forward to the challenge and stimulation of their students even as they seek to draw the best efforts from them. Many Denison students come to regard professors as personal mentors, who frequently oversee students' independent scholarly projects.

At Denison, men and women learn and grow in community, and the residential character of the campus is more than a convenience but a way of engaging the full student body in a shared enterprise. The college actively seeks academically superior students who bring diverse talents, interests, backgrounds, and experiences, believing that out of the classroom as well as within, learning takes place by sharing, questioning, and growing together. Denison students have unusual opportunities to participate in the arts, in athletics and recreation, in service to others beyond the campus, in student organizational life, and in campus governance.

The goals of the college are spelled out clearly in an up-to-date "Mission Statement":

Our purpose is to inspire and educate our students to become autonomous thinkers, discerning moral agents and active citizens of a democratic society. Through an emphasis on active learning, we engage students in the liberal arts, which fosters self-determination and demonstrates the transformative power of education. We envision our students' lives as based upon rational choice, a firm belief in human dignity and compassion unlimited by cultural, racial, sexual, religious or economic barriers, and directed toward an engagement with the central issues of our time.

This mission statement is supported by the following guiding principles:

Our curriculum balances breadth with depth, building academic specialization upon a liberal arts foundation in the arts, the sciences, the social sciences and the humanities. Responsive to new ways of learning, we continue to develop interdisciplinary integration of the many forms of knowledge. While our students pursue specialized learning in their chosen majors, they also develop the framework for an integrated intellectual life, spiritually and morally informed.

Our faculty is committed to undergraduate education. As teacher-scholar-advisers, their principal responsibility is effective teaching informed by the best scholarship. Faculty members place a priority on close interaction with students, interactive learning, and partnerships with students in original research. Our low student/faculty ratio allows for close supervision of independent research and collaborative work in small groups and classes.

We seek to ensure an ever-broader range of racial, ethnic, international and socioeconomic backgrounds in a student body of about 2,200 students. We offer different kinds of financial aid to meet the different needs of our students.

The focus of student life at Denison is a concern for the whole person. The University provides a living-learning environment sensitive to individual needs yet grounded in a concern for community, in which the principles of human dignity and ethical integrity are paramount. Students engage in a wide range of co-curricular activities that address the multidimensional character of their intellectual and personal journey.

Denison is a community in which individuals respect one another and their environment. Each member of the community possesses a full range of rights and responsibilities. Foremost among these is a commitment to treat each other and the environment with mutual respect, tolerance, and civility.

Denison occupies an arresting 931-acre campus, the heart of it perched upon College Hill overlooking the historic (1805) town of Granville. There are some 75 campus buildings conveniently arranged among the college's hills and valleys, none of them more than a ten-minute walk from the campus center. They range from historic houses that predate Denison's founding in 1831 to substantial Victorian Italianate structures of the late nineteenth century, handsome twentieth century red brick neo-Georgian classroom and residence buildings, and state-of-the-art modern laboratories that artfully blend contemporary design with the college's signature brick and slate. The contours of the College Hill ridge form a natural bowl into which nestle some of the college's principal athletic facilities: Deeds Field, Livingston Gymnasium, and the Mitchell Center. Beyond lie expansive playing and practice fields, Denison's 350-acre Biological Reserve with its Polly Anderson Field Laboratory, and the Homestead, a residential community of students living symbiotically with the land. Granville is a scenic college town located in the Greater Columbus region of more than 1.75 million residents, 15 miles east of the Columbus city limits and 20 miles from the Port Columbus International Airport. It is adjacent to the city of Newark which, with its surrounding communities, provides everyday amenities for an area population of about 75,000.

*Vol. 28, Number 1, Proceedings of the American Academy of Arts and Sciences (1999)

President Dale T. Knobel (President Emeritus)

August, 2004

Freedom of Expression and Academic Freedom

Denison University actively promotes the free expression and exchange of ideas. Academic freedom is essential to the aims of higher education and to the University's goals of fostering critical thinking, moral discernment, and active citizenship among its members. It is the responsibility of the faculty and the administration to protect academic freedom. Furthermore, because Denison is a residential, liberal arts college, academic freedom must be extended to all members of the university community in the broadest of contexts. Indeed, academic freedom is a core value of liberal education and is essential to the transformative power of that education promised in our mission statement.

Academic freedom is the right of all members of the University to exercise the broadest possible latitude in speaking, writing, listening, challenging, and learning. It applies to opinions and inquiry regarding political, cultural, religious, scientific, and social matters, as well as to those regarding the University itself and its policies. Academic freedom is especially critical in the classroom, in research and publication, and in all educational activities.

Academic freedom applies to views and ideas that most members of the University may consider mistaken, dangerous, and even despicable. The ideas of different members of the University community will often conflict, but it is not the proper role of the University to shield individuals from ideas and opinions they find unwelcome, disagreeable, or offensive. Although the University values civility, and although all members of the University community share the responsibility for maintaining a climate of mutual respect, concerns about civility and mutual respect can never be used as a justification for limiting discussion of ideas, however offensive or disagreeable those ideas may be to some members of the community.

Academic freedom does not, of course, mean that individuals may say whatever they wish, whenever they wish. The University may prohibit expression that violates the law, defames specific individuals, constitutes a genuine threat or harassment, or unjustifiably invades substantial privacy or confidentiality interests. These limitations, however, are narrow exceptions; it is vitally important that these exceptions never be used in a manner that is inconsistent with the University's commitment to a free expression of ideas.

Members of the University community must act in conformity with the principle of academic freedom. Although members of the University community are free to criticize and contest the views of others, they may

not obstruct or otherwise interfere with the freedom of others to express views they reject. To this end, the University has a solemn responsibility not only to promote a lively and fearless freedom of debate and deliberation, but also to protect that freedom when others attempt to restrict it. Such an open exchange of ideas is essential to liberal education. (Portions of this statement are from the University of Chicago Report of the Committee on Freedom of Expression.)

The Value of Diversity to a Liberal Arts Education at Denison

Denison is committed to the idea that our community should include people from a wide variety of religious, cultural, ethnic, racial, gender, sexual orientation and socio-economic backgrounds in order to realize the goals of a liberal arts education. Denison University's commitment to foster a diverse community is central to our mission as a liberal arts college to educate critical thinkers, discerning moral agents and active citizens of a democratic, global society. Through our pedagogies we set out to realize the transformative power of education. Engagement with, and challenge from, multiple, differing perspectives are incubators of critical thinking and social responsibility. Students must learn to question the truth of all assertions, no matter how apparently obvious or widely held. The lesson that even one's own most cherished beliefs cannot be immune to questioning is crucial. A classroom marked by homogeneity of experience is one where such a lesson cannot be easily grasped. While we are committed to multiple forms of diversity, we also recognize that the dynamics of race play a central role in shaping individual and collective experience in the United States. It is important to the realization of our educational goals not only that students have opportunities to speak about racial, ethnic, and other differences, but that they also get a chance to speak across these differences. This can only happen if there is diversity in the classroom and, more generally, in the college. Diversity in all facets of the university has educational value for all students and benefits all members of the campus community. Diversity plays a particularly important role at Denison. In this college, where classes are small and highly participatory, where a fully residential campus places students constantly together in living as well as learning, and where a multiplicity of campus-based opportunities in student organizational life, athletics and recreation, and social service allow students to share personal growth experiences, diversity of background and experience is shared first-hand.

(Adopted by the Faculty Oct. 5, 2006.)

Mission Statement on Campus Sustainability

The mission of Denison University is "to inspire and educate students to become autonomous thinkers, discerning moral agents, and active citizens of a democratic society." As critical thinkers, we acknowledge the evidence that climate, air and water quality, and natural resource availability are changing on a global scale in ways that adversely affect the ecology of the planet and human welfare. As moral agents, we recognize that the College and all individuals who are part of the Denison community share responsibility in contributing to environmental change by reducing both resource consumption and the production of waste. As active citizens, individually and institutionally, we are committed to playing a leadership role in advancing a sustainable future for our world. We will do this by example, reducing the environmental impact of the College through the use of sustainable practices, and through education and research, advancing society's knowledge and commitment to sustainable practices. More specifically, Denison University and the Denison community are committed to reducing resource consumption and waste production with the goal of approaching carbon neutrality. We will assess the environmental impact of the activities and resources needed to fulfill the mission of the College and, 1) seek sustainable options for meeting those needs, 2) make the best use of resources and reuse or recycle them when possible, 3) dispose of waste in ways that reduce the negative impact and, 4) take into consideration the life cycle and environmental impact of materials and products purchased by the College. Moreover, we will endeavor to advance the knowledge base that will enable us to protect and preserve the earth's resources.

(Adopted by the Faculty Dec. 4, 2008)

Accreditation and Recognition

Denison is accredited by the Higher Learning Commission (HLC) which was formed in 1913. HLC is located at 30 North LaSalle St., Chicago, Ill. 60602 (Ph. 312-263-0456). Denison is certified by the Ohio Board of Regents to grant three degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Fine Arts.

Denison's program in chemistry, page 68 is accredited by the American Chemical Society.

Denison's pre-medical program is recognized by all medical schools accredited by the Association of American Medical Colleges.

Denison is a member of the National Association of Independent Colleges and Universities, the Great Lakes Colleges Association, the Association of American Colleges and Universities, the Association of Independent Colleges and Universities of Ohio, and several additional national and state associations. The college participates in the North Coast Athletic Conference of NCAA Division III.

Residential Education & Housing

Denison is a residential college. A substantive residential experience enhances academic achievement, personal growth, and the development of a strong campus community, all of which are hallmarks of a Denison education.

Denison is committed to its residential identity and to the many benefits that stem from the relationships, activities, and programs available to students in the residence halls. An integral component of each student's Denison experience for four years, residential living provides important opportunities for students to learn about others as well as themselves, develop interpersonal skills, and take responsibility for their immediate community. This is an ideal complement to the learning that occurs in our classrooms, laboratories, and studios.

Denison at a Glance

Type of College: Coeducational, residential, four-year independent college of liberal arts and sciences

Founded: 1831

Location: Granville, Ohio, 27 miles east of downtown Columbus

Campus size: 931 acres, including a 350-acre Biological Reserve

Academic year: Semester system

Courses of study: 46

Summer Scholar Independent Research Program: 100 students

Denison Internship Program

Study Abroad: Pursued by 80% of student body

Degrees offered: B.A., B.S., B.F.A.

Phi Beta Kappa chapter: Established 1910

Average class size: 19; student/teacher ratio: 9:1

Full-time tenured and tenure-track faculty: 220

Total undergraduates: 2,250

Total alumni: 36,160

Endowment and similar funds: \$783,000,000

The Academic Program

An Overview

The concept of liberal arts embodies certain fundamental goals, among them breadth, depth, independent thinking, and rational, humane self-determination. Denison's curriculum provides the means by which these characteristics are deliberately nurtured in our students. Our commitment to a liberal arts education is expressed in the form of General, Major, and Elective requirements. Students should anticipate that their curricular experience will be divided nearly equally among these three spheres. Students work closely with their advisors to fulfill these requirements in ways that meet students' objectives, enable purposeful choices of programs and courses, and facilitate a coherent preparation for becoming a creative and engaged citizen in the twenty-first century.

General Education: The General Education Program is designed to provide intellectual breadth, through experience with a variety of disciplines and appreciation for the diversity of human culture. This program requires broad exposure to various fields and development of essential abilities: listening, reading, and observing; reasoning critically and quantitatively; and expressing ideas convincingly in oral discourse as well as the written word. Approximately one-third of the curriculum is reserved for General Education.

Academic Major: The Academic Major promotes discipline of thought and depth of understanding as it is articulated within a specific field. Within the Major, students are held accountable for discovering the evolving questions within the field and the prevailing methods that lead to greater understanding. Practice within a chosen discipline will constitute about a third of students' coursework as they develop an appreciation for the culture and content of their academic home.

Electives: Electives require further breadth of inquiry and provide additional opportunities for students to individually design their curricular choices. In consultation with their academic advisors, students choose about one-third of their courses as electives. These choices may be a mix of structured options, such as a concentration or a semester of off-campus study, or they may be more flexible reflections of personal interest.

With careful planning, General Education, the Academic Major, and Electives blend into a coherent and meaningful educational experience. These three spheres provide breadth, depth, and flexibility in a liberal arts education nurturing independent thought, rationality, and a capacity for humane self-determination.

Degrees Offered and Graduation Requirements

Denison University offers Bachelor of Arts (BA), Bachelor of Science (BS), and Bachelor of Fine Arts (BFA) degrees. To be a candidate for a Denison degree, a student must do the following:

- Fulfill the General Education requirements;

- Major in an area - either in a department, a program, or an individually designed program;

- Earn 127 semester hours of credit.

- A student earning a BA degree may have no more than 56 hours from the major field (14 courses) count toward the 127 hours required for graduation. Required cognates would not be included in this "56 Hour" rule. Interdepartmental BA degrees may require no more than 68 hours (17 courses).

- Earn a cumulative grade-point average of at least 2.0 overall including the major and minor (if applicable).

- Normally, all Denison courses completed by the student, including repeated and failed courses, will count in the calculation of the overall grade-point average. Normally, all courses eligible to count toward the student's major, minor, and concentration, including courses beyond the minimum requirements, will be included in the calculation of the major, minor, and concentration grade-point average.

Complete at least 64 of the required 127 credit hours while in residence at Denison and also reside at Denison for the two semesters of the senior year. Satisfactory completion of a minor at Denison requires at least one-half of the credit hours that fulfill minor requirements to be completed in residence at Denison. Generally, all students, except those enrolled in recognized pre-professional 3-2 programs, must complete the last two semesters in residence at Denison. Exceptions to these requirements may be made by the Academic Standing Board. A course taken "in residence" is defined as any course scheduled by the Denison Registrar and taught on the Denison campus, by a Denison faculty member. This policy prescribes a university-wide minimum residence requirement; individual departments may have stricter requirements.

Denison reserves the right to not award a student a degree if serious violations of the Code of Student Conduct have been alleged against that student or if charges exist against that student that cannot be adjudicated prior to commencement exercises. For the present purpose, "serious violations" are those that normally could result in suspension or expulsion. At the discretion of the Vice President for Student Development or the Provost, a student facing allegations or charges of academic dishonesty may be permitted to participate in commencement exercises, however, the student would not receive a diploma or be considered a graduate of Denison. A valid diploma would be sent when all serious conduct matters have been resolved, and the student is deemed eligible to receive a degree from Denison.

Please note that qualifications and further clarification of these requirements appear in various following sections.

The General Education Program

The General Education requirements ensure that students develop core liberal arts competencies and encounter a broad range of liberal arts inquiries - social, scientific, humanistic, and artistic - embraced by the Denison University faculty. In addition, the requirements expose students to a diversity of perspectives that enable them to interact more effectively in an increasingly interdependent world. Thus, the General Education program seeks to accomplish three goals: 1) development of competencies, 2) exposure to a broad variety of disciplines and, 3) development of a global perspective.

General Education: Summary of Requirements

One, W101 Writing Workshop (First Year writing intensive workshop)

Two courses from the Fine Arts

Two courses from the Sciences (one fulfilling a lab requirement)

Two courses from the Social Sciences

Two courses from the Humanities

One interdivisional course from one of the following areas: Black Studies, Data Analytics, East Asian Studies, Environmental Studies, International Studies, Latin American and Caribbean Studies, Queer Studies, and Women's and Gender Studies.

Foreign Language

At a minimum, all students must complete an elementary year of Foreign Language 111-112 at the college level. Students who have studied a language in high school and who wish to continue study of that language at Denison in order to fulfill this requirement will, however, be expected to complete three semesters of that language (i.e., to pass or demonstrate proficiency in the language at the 211 level). All entering students who have studied a foreign language in high school must take the appropriate placement test during the orientation period. Language courses 111, 112, and 211 will not count toward the divisional distribution requirements, except for Latin and Greek 211, which may count toward the Humanities requirement unless used to satisfy the Foreign Language requirement.

Five of these general education courses (or other courses) must fulfill; one power and justice, one quantitative, one oral communication, and two writing intensive course requirements (one of which must be taken in the sophomore year).

Only one course from a single department may be used to fulfill the divisional requirements.

Academic Majors

Completing an academic major enables students to pursue their primary fields of specialization within the curriculum. Roughly a third of students' courses are completed within a program of study structured by a department or interdisciplinary program. Because the major is the primary means by which students undertake depth of study, students work closely with academic advisors to choose fields for which they are personally and professionally suited. Students may change their majors while at Denison. By the end of the sophomore year, students should formally declare a major. If possible, students should select an academic advisor associated with the chosen major. The specific objectives and requirements of each academic major can be found within this course catalog.

Table 1. Academic Majors

Major	Degree(s) Granted	Major	Degree(s) Granted
Anthropology and Sociology	BA	French	BA
Art History and Visual Culture	BA	Geosciences	BA, BS
Art Studio	BA, BFA	German	BA
Biochemistry	BS	Global Commerce	BA
Biology	BA, BS	Health, Exercise, and Sport Studies	BA
Black Studies	BA	History	BA
Chemistry	BA, BS	International Studies	BA
Cinema	BA	Mathematics	BA, BS
Classical Studies	BA	Music	BA
Communication	BA	Philosophy	BA
Computer Science	BA, BS	Philosophy, Politics and Economics	BA
Dance	BA	Physics	BA, BS
Data Analytics	BA	Political Science	BA
East Asian Studies	BA	Psychology	BA, BS
Economics	BA	Religion	BA
Educational Studies	BA	Spanish	BA
English	BA	Theatre	BA
Environmental Studies	BA	Women's and Gender Studies	BA

The Individually Designed Major (IDM) The Denison major promotes discipline of thought and depth of understanding as they are articulated within a specific field. The standard offering of Denison majors is carefully selected; each major is rigorously reviewed, and must meet a myriad of nationally accepted academic standards, and often follows a long tradition of academically sound pedagogy. Because the major is a distinctive hallmark of a Denison degree, the institution guards its majors with utmost care. The IDM option allows students to design their own majors that are not offered in Denison's standard curricula. However, the Academic Affairs Council applies the very highest standards in accepting IDMs. Students must have a compelling and coherent case for pursuing an IDM.

Individually Designed Majors approved in the last few years include the following titles: "Comparative Medical Ethics," "Cognitive Neuroscience," "Poverty Studies," "Medieval Studies," "Language in its Social Context," and "Middle Eastern Studies."

Students who wish to design their majors should consult with their advisors and the Registrar early in their Denison careers. Students must submit their IDM proposal to the Registrar by March 1 of the sophomore year. Approval of the proposal by the Academic Affairs Council must be completed by May 1 of the student's sophomore year.

Electives

Electives may be chosen as a flexible mix to explore a variety of fields throughout Denison's curriculum or off-campus study. Students who want more structure in their choices of elective courses may pursue a minor, a concentration, or a second major.

Academic Minor: A minor provides a guided plan of study within a discipline but with fewer requirements than a major. Typically, minors require core courses, beginning and advanced coursework in the field, and electives. Minors afford students a structured opportunity to enrich or complement their majors, or to engage a separate academic field. Most departments and programs offering majors also offer a minor; in addition, a minor is offered in Astronomy.

Concentration: A concentration provides an interdisciplinary program of study that augments or complements a student's major. Concentrations are designed to require a depth of study in a field that crosses disciplinary boundaries. Typically, a concentration will be linked to a student's major. Denison offers concentrations in the following fields: Computational Science, Latin American and Caribbean Studies, Narrative Nonfiction, Neuroscience, and Queer Studies. In addition, there are a few concentrations available only to majors in certain disciplines (in Economics: Financial Economics, and Economics with a Mathematics Concentration; and, in Geosciences: Geophysics Concentration). Two opportunities similar to a concentration are the Lugar Program and Organizational Studies. For further information, please consult Lugar Program, page 192 and Organizational Studies, page 221 regarding these programs. Students interested in these fields should talk with appropriate faculty soon after they have begun their Denison careers.

Off-Campus Study: Off-campus study can play a dramatic role in a Denison education. By placing students in educational settings that intentionally combine classroom and experiential learning, off-campus study provides the opportunity for students to hone their intellectual skills and to cultivate the civic engagement associated with a liberal arts education. Denison maintains a list of accepted off-campus programs, both in the U.S. and abroad. The current list may be found at <http://www.denison.edu/offcampus>. It is strongly recommended that students interested in off-campus study make an appointment with the Director of Off-Campus Study early in their Denison career to begin planning for off-campus study. For further information, please consult Off-Campus Study, page 216.

Educational Planning and Advising

Advising is a form of teaching that is purposeful, ongoing and regular. Advising is integral to teaching at Denison. The Academic Advisor plays a key role in helping students learn to become autonomous thinkers, capable of self-determination through their exploration of the liberal arts.

The chief role of a faculty advisor is to assist students in thinking through their undergraduate liberal arts experience and their educational goals so that they may take full advantage of the resources available at Denison University. The advising relationship develops and changes over the course of four years, as student needs and concerns evolve. Advisors encourage students to think critically about the benefits of a liberal

The Lisska Center for Scholarly Engagement

education. They also assist students in understanding Denison's current academic regulations as well as the educational resources available at the university. Advisors have an essential role in directing students to additional advising and mentorship resources from across campus.

Faculty advisors also offer guidance beyond these matters: assisting students in identifying their interests; helping students make links between immediate and long-range goals; discussing career paths and graduate school options; referring students to institutional resources for academic or personal support; and giving advice, when appropriate, on decisions relating to personal or quality-of-life choices.

During the first year of residence, Denison urges students to begin planning their programs of study. This program should be suited to the student's particular needs, interests, life aspirations, and career plans. The various academic departments and the faculty advisor, as well as the offices of Student Development, the Knowlton Center for Career Exploration, and Academic Support, will assist students with the planning process. Good educational planning, based on Denison's tradition of liberal education, should include consideration of educational objectives relating to career plans and personal developmental goals, analysis of high school and first semester Denison experiences and discoveries, course work and off-campus programs being considered, and a tentative choice of major. The student should discuss these issues with his/her faculty advisor.

Because education is an evolutionary process, Denison encourages students to explore the breadth of opportunity at Denison in their early years on campus. Modification of academic goals, vocational plans, and prospective majors is common, and students should not preclude consideration of any particular range of educational alternative.

The Dean of First Year Students assigns each incoming student a faculty advisor. Frequently, this person will be an instructor in one of the courses (for example, AC 101: Advising Circles) taken by the student during the first semester. Otherwise, the Dean will make an assignment based on a student's initial academic interests. As a student's major and vocational goals become more clearly defined, it is likely that the student will choose to change to an advisor more familiar with those developing interests. Students may, with the consent of the new faculty advisor, officially switch to a new advisor. All changes must be reported to the Registrar's Office.

The Lisska Center for Scholarly Engagement

The mission of Denison's Lisska Center for Scholarly Engagement is to promote intellectual dialogue and scholarly excellence on campus. The Center is committed to mentoring motivated students who wish to design and execute integrated plans of scholarship and related activities that will position them for success both in and beyond the undergraduate experience. Specifically, the Lisska Center: 1) advises students, alumni, and faculty who wish to apply for nationally-competitive grants and fellowships; 2) coordinates the Summer Scholar programs; 3) serves as a contact point and funding hub for multidisciplinary intellectual programming and academic enrichment activities on and off campus. We work closely with the Off-Campus Study Office and the Knowlton Center to help students explore summer, off-campus, and post-graduate funding opportunities.

Fellowships Advising

The Lisska Center staff assists students and alumni in identifying and applying for nationally competitive fellowships at both the undergraduate and graduate levels. Examples of prestigious fellowships include the Rhodes Scholarship, Marshall Scholarship, Fulbright fellowships, Harry S. Truman Scholarship, Barry M. Goldwater Scholarship in Science and Mathematics, Morris K. Udall Scholarship in National Environmental Policy, National Science Foundation Fellowships, Boren Scholarship for International Study, and many

others. A list of fellowships opportunities can be found on the Lisska Center's MyDenison page. Denison is proud of the many students and alumni who have won such awards over the years.

While some fellowship applications require an institutional endorsement and may have a minimum GPA requirement, many do not. All interested students are encouraged to schedule an individual consultation and/or attend information sessions. Comprehensive listings of national and international fellowships can be found on the Lisska Center's MyDenison page.

Each year, the Lisska Center staff helps hundreds of applicants identify appropriate opportunities and prepare their application materials. We work closely with students on their application essays. In addition to individual consultations, we are available to visit Advising Circles and meet with departments and student groups. We also coach fellowship competition finalists preparing for interviews.

In collaboration with the Director of Foundation and Corporate Relations Meg Galipault, we also sponsor information sessions and proposal writing workshops for Denison faculty members interested in applying for nationally-competitive fellowships and grants. We are happy to help faculty with their applications on a one-on-one basis as well.

Summer Scholars Programs

Denison's Summer Scholar Program permits students to pursue independent research under the close supervision of a faculty member, or full-time collaborative work with faculty members, during the summer. It gives students in all disciplines a unique undergraduate venue in which to experiment with ideas and artistic expression, pursue an intellectual passion, and focus intently on the resolution of a question over a sustained period of time. Summer Scholar projects do not confer credit hours and are not graded. Approximately 120 students across all disciplines receive Summer Scholar awards each year.

Denison's endowed funds provide students with a stipend and a housing allowance (see below for details). Faculty advisors also receive a stipend (\$2,500 for one student, \$1,500 for a second student, and \$500 for additional students in 2017). Limited additional funds of up to \$500 per student are available for the purchase of materials required for research if they are not otherwise available. All students must produce a scholarly project (e.g., final paper, poster, performance, etc.) and present their summer's work in a public forum.

Qualified rising sophomores, juniors, and seniors in all disciplines are eligible to apply for Summer Scholar awards. A qualified student is one who:

- will be returning to Denison in the fall and has registered for classes;
- will be on an approved off-campus study program in the fall;
- is on an approved academic leave;
- is on an approved leave of absence and does not have to reapply to return.

Projects do not necessarily need to be in the discipline of the student's major. Any student who does not fall into one of the above categories is not eligible.

Applications for Summer Scholar awards are typically due at the end of January. Students are expected to identify their proposal, and secure agreement from their faculty mentor well in advance and to work with their mentor in developing their application materials. See below for details.

Decisions on faculty eligibility to supervise, or share in the supervision, of student summer research shall be made on a case-by-case basis by the Provost. In most cases, tenure track and non-tenure track faculty who teach at least 75% of a full-time load, and who have a contract to teach at Denison in the fall semester following the summer research, will be eligible to supervise summer research.

Young Scholar awards support students pursuing projects in the social sciences, humanities, fine arts, and interdisciplinary projects. Young Scholars work under the guidance of a Denison faculty member for projects

that typically last 10 weeks between mid-May and the end of July. In 2017 students received a stipend of \$3,700 for 10 weeks, plus a room allowance for campus housing. Young Scholars may not hold jobs during the term of their research. Awards will not be made for projects requiring a substantial portion of time away from campus, although short research trips may be permitted on a case-by-case basis. Applications for Young Scholar awards are evaluated by the Student Research Grants Committee (SRGC), an elected committee of four faculty members (one from each division of the college overseen by the Lisska Center for Scholarly Engagement). Faculty members are expected to work closely with students as they develop their project proposals and must submit a detailed letter of endorsement supporting each student's application for a Young Scholar award. Faculty advisors are expected to be on campus (except for short absences) and should meet at least twice weekly with each student during the project's 10 weeks. Faculty members may not supervise more than three individual or joint proposals. Complete guidelines can be found on the Lisska Center's MyDenison page.

The Anderson Summer Science Program provides summer research assistantships in the sciences. Denison students conduct research under the guidance of a Denison science faculty member for projects that typically last 10 weeks between mid-May and the end of July. In 2017 students received a stipend of \$3,700 for 10 weeks, plus a room allowance for campus housing. The program guidelines and the application and selection processes are routinely revised in consultation with chairs of the science departments. Current information is maintained on the Anderson Summer Science Program's MyDenison page. For additional information, contact the Anderson Coordinator (Jessica Rettig, Department of Biology).

Off-Campus Summer Scholar awards support a limited number of students and faculty conducting a full-time independent research, scholarly, or creative project that requires all or most of the time to be spent off-campus. Projects typically last 10 weeks between mid-May and the end of July. (Some time may be spent on campus before and/or after the off-campus portion of the project). A Denison faculty member must be the primary mentor, but a non-Denison mentor may help supervise the project on site, as appropriate. The stipend and guidelines are the same as for Young Scholar awards, but also cover travel expenses and provide an allowance for off-campus housing. For complete guidelines, see the Lisska Center's MyDenison page.

Early Experience awards provide an opportunity for ambitious rising sophomores to explore interest areas and build relationships with faculty members that supplement their experiences in the classroom. Qualified students pursue independent research, scholarly, or creative projects in any discipline (including the sciences) under the close mentorship of a faculty member for a period of 4 to 6 weeks. The Young Scholar stipend is prorated based on the number of weeks, and a room allowance is provided for on-campus housing. For complete guidelines, see the Lisska Center's MyDenison page.

Woodyard Scholar awards provide students with scholarships to carry out individual or collaborative projects in the area of "Religion and Civic Responsibility." Woodyard Scholars will be supervised by members of the Religion Department for 10 weeks between mid-May and the end of July. (For projects involving other disciplines, other faculty members may also be involved). The scholarship is for \$3,700 plus a room allowance for campus housing. For more information, see the guidelines posted at <http://denison.edu/academics/religion/honors-awards/honors-awards> or contact Dr. David Woodyard, Department of Religion.

Ashbrook Summer Scholar awards are intended to "foster and promote research and educational cooperation between faculty and students in exploring ways to improve the political and economic betterment of the underprivileged Licking County person." The Ashbrook Scholarship is open to any student who has engaged in community service (broadly defined as including, but not limited to, DCA involvement, work with America Reads or as a Community Service intern, and service learning coursework). Scholars work under the guidance of a Denison faculty member as they carry out research and engage in service with an organization that provides some kind of assistance to the community. In 2017 students received a stipend of \$3,700

dollars plus a room allowance for campus housing. For complete guidelines, see the Lisska Center's MyDenison page.

Battelle Memorial Institute awards support Denison students participating in research projects throughout the world. Some awards for entire summer support may be given, whereas other awards may be for a student's short stay at a remote location to carry out data collection. For complete guidelines, see the Lisska Center's MyDenison page. For additional information, contact the Battelle Student Research Coordinator (David Goodwin, Department of Geosciences).

Denison University Research Foundation (DURF) awards support students working as research assistants for Denison faculty members during the summer. (Note: research assistants are only considered Summer Scholars if they are doing independent work, not just assisting with the professor's project). Denison faculty members apply for DURF funds to support a Denison student assistant. Any qualified Denison student is eligible. Contact the Associate Provost for Faculty Affairs.

Student research may also be supported by outside grants received by faculty in various departments. Students receiving outside funding to conduct summer research (e.g., McNair Scholars, DAAD-RISE, etc.) may also be included as members of the Summer Scholar Program.

Intellectual Programming and Academic Enrichment Activities

The Lisska Center serves as a contact point and funding hub for intellectual programming activities both on and off campus. Students may apply to the Student Academic Travel Fund for support (up to \$500 per student) for travel to academic conferences where they are presenting papers or posters. In addition, the Lisska Center provides supplemental Student Research Funds (up to \$500 per student) for students conducting academic research during the academic year. The Lisska Center also administers a number of other Denison awards, including the A. Blair Knapp, K.I. Brown, Alumnae Endowed Scholarships, the Megan Lisska and Elin Lisska Christensen Humanities Award, and Kenneth Hines programs.

At the request of individual faculty members and/or students, the Lisska Center will help sponsor activities such as lunches for students with visiting speakers, roundtable discussions on topics addressed by campus events, public debates by faculty or outside speakers, an "Academic Fair," and outings to events (e.g., concerts, speakers, performances) in the greater Columbus area, etc.

The Lisska Center hosts Chowder Hours (home-cooked lunches for students, faculty, and staff featuring scholarship), Monday Musings (informal presentations led by faculty members), and other similar events. During the summer, we hold weekly informal research presentations featuring the Summer Scholars' work; we cap off the summer with poster sessions and performances presenting highlights of the summer projects.

The Lisska Center coordinates the Research Table program started in 2015-16. Designed to enrich intellectual life on campus, Research Tables bring together faculty members from across the college and/or other institutions to explore an interdisciplinary topic. Students in good academic standing may be invited by faculty sponsors to participate in a Research Table. Proposals are reviewed by the SRGC. The Lisska Center will put out periodic calls for proposals.

The Lisska Center also coordinates the Experimental College, a new program of student-led, non-credit classes. Students must have a faculty mentor and submit a proposal, including a syllabus, to the Center for approval. The Lisska Center will put out calls for a limited number of new Experimental College classes once or twice a year.

Special Academic Projects

Students have the opportunity to undertake Directed Studies, Independent Studies, and Senior Research. These are explained below.

Directed Study

A student in good standing may work intensively in areas of special interest under the Directed Study plan. A Directed Study is appropriate when a student wants to explore a subject more fully than is possible in a regular course, or to study a subject not covered in the regular curriculum. A Directed Study should not normally duplicate a course that is regularly offered. A student electing a Directed Study must submit to the Registrar a proposal with appropriate departmental approval no later than the first Friday of the semester. Directed Studies are normally taken for 3 or 4 credits. The form required for Directed Studies is available in the Office of the Registrar.

Independent Study

Independent Study engages a student in the pursuit of clearly defined goals. In this effort a student may employ skills and information developed in previous course experiences or may develop some mastery of new knowledge or skills.

A proposal for an Independent Study project must be approved in advance by the faculty member who agrees to serve as the project advisor. The approval must be submitted on the appropriate form to the Registrar no later than the first Friday of the semester.

The chief distinction between this and other options for individual study is that an individual faculty member works with the student only prior to the initiation of the study (or at its very beginning) and at the completion of the study. A student may propose an extensive independent project up to the equivalent of a full semester's work. An Independent Study project that constitutes a student's total academic load in a given semester may be done either on or off the campus. Any proposal or combination of proposals to do independent work, carrying more than four credit hours, must be submitted to the Academic Affairs Council. Such proposals would be subject to careful review and only with extenuating circumstances would be considered for approval. Examples of Independent Studies approved recently include: "An Existential Search for Religion," "Genetics of *Sarracenia*," "Creativity and the New York Musician," and "Behavioral Studies of the Primates of the Peruvian Amazon."

Senior Research

A student may enroll for Senior Research in his or her final year at Denison. Normally, Senior Research requires a major thesis, report or project in the student's field of concentration and carries eight semester-hours of credit for the year. Typically, a final grade for a yearlong Senior Research will not be assigned until the completion of the yearlong Senior Research at the end of the second semester. In which case, the first semester Senior Research grade will remain "in progress" (PR) until the completion of the second semester Senior Research. Instructors who choose to assign a grade at the completion of the first semester Senior Research should notify the Registrar at the beginning of December. Semester hours of credit for Senior Research shall not be counted toward the maximum hours allowed in the student's major. The form required for Senior Research is available in the Office of the Registrar.

Special Academic Honors

The Dean's List

A student earning a superior academic average is placed on the Dean's List. Notice of this accomplishment is sent to the student's hometown newspaper(s).

Academic qualifications for inclusion on the Dean's List require that a 3.7 academic average be maintained for the semester, with no D's, F's, U's, I's, X's, W's, WD's, WF's or WP's, and that a minimum of 12 academic hours be completed for a grade. Students with X-grade notations are not eligible to receive Dean's List honors, either contemporaneously nor retroactively.

Phi Beta Kappa

The Denison University chapter of Phi Beta Kappa was established in 1910. Election to Phi Beta Kappa takes place during the second semester of the senior year and is based primarily on a record of outstanding academic achievement. Election is also possible during the second semester of the junior year for a student whose academic record is truly exceptional.

Recognition of Senior Research or Senior Creative Project

A student who plans to complete a yearlong senior research or senior creative project may declare to the major department/program and to the Registrar the intention to submit a final product for Recognition. This declaration must be completed by February 1 of the senior year and requires the signatures of the Project advisor, a second evaluator, and the chair of the department/program. Departments and programs will determine the guidelines governing the design and execution of the project and may establish minimum requirements for students to undertake a project. A Senior Research or Senior Creative Project will be judged to merit Recognition if both the advisor and second evaluator give it a B or above, and at least one of the grades is a B+ or above. (These grades are separate from the grade for the Senior Research course submitted by the advisor.) A Senior Research or Senior Creative Project that is judged to merit Recognition will receive the following acknowledgment: 1) the student's name, the title of the project, and the name of the project advisor will be included in the commencement program, 2) the title of the project and Recognition will be indicated on the student's transcript, 3) a copy of the final product, in its appropriate form as determined by department or program, will be preserved in the library. Students should consult with the Academic Department for specific requirements regarding Recognition of a Senior Research or Senior Creative Project.

Graduation with Honors

A student who meets the general college requirements and the particular requirements for a Denison degree may graduate with Honors. There are three levels of Honors.

Highest Honors - Summa Cum Laude

This highest distinction is accorded to students who earn a cumulative grade-point average of 3.9 or higher.

High Honors - Magna Cum Laude

This second highest distinction is accorded to students who earn a cumulative grade-point average of 3.75 or higher.

Honors - Cum Laude

This third distinction is accorded to students who earn a cumulative grade-point average of 3.60 or higher.

Registration

Please note: The calculation of a student's GPA for "Latin Honors" is based on all semesters of academic work at Denison, with a minimum of 64 graded hours completed at Denison. Students with X-grade notations are not eligible to receive Latin Honors, either contemporaneously or retroactively.

President's Medals

Each spring at the Academic Awards Convocation, the President awards medals to outstanding graduating seniors who have made especially good use of their undergraduate education and have contributed substantially to the community. The range of accomplishments the President seeks to acknowledge and honor are comparable to those associated with the winners of a major national scholarship such as the Rhodes or Marshall. The preeminent criterion for receipt of a President's Medal, Denison's most prestigious award, is academic achievement. In addition, candidates must embody some combination of the following: service to the community, contribution to the arts, enlargement of the community's global perspective, athletic fitness and achievement, leadership ability and contribution to community discourse.

Registration

Registration is the formal enrollment in the College. In registering, the student subscribes to all the regulations, terms, and conditions, academic and financial, as set forth in this Catalog. A student must, therefore, confirm registration during the scheduled registration period each semester.

Normal Registration

A normal load is set at 16 semester hours of credit per semester. This total should include the appropriate requirements. The normal academic load enables a student to meet the graduation requirements within eight semesters. A student who pays regular tuition charges is permitted to audit, with the approval of the faculty instructor and without additional cost, one course a semester for which no credit may be claimed. Audits may not be allowed by the various departments until after credit seeking students have been accommodated.

Reduced Registration

This classification is recommended for a student, who for any reason, cannot carry a normal schedule satisfactorily. If reduced registration is advisable, a student may be required to carry a schedule of 12 to 14 credit hours and be asked to devote an extra semester to fulfill the graduation requirements. Without special permission from the Associate Provost, 12 hours shall be minimum registration for any regular student. With special permission a regular student may register for 9 to 11 credit hours. The reduced registration option could have ramifications for financial aid eligibility.

Excess Registration

The payment of tuition for fall or spring semesters of any given academic year entitles a full-time regular Denison student to 18 credit hours in that semester. See the Annual Cost section of Catalog for the fee, billing, and payment arrangements if taking more than 18 hours in any semester. With extenuating circumstances and evidence of careful planning, a student may request twice during the Denison career to take up to 20 hours and waive the excess hours fee. Any such request should be submitted to the Registrar's Office in writing prior to the beginning of the semester in question.

Additional Credit

With the consent of the instructor, a student may request to take a course for an additional hour of credit. The nature of the additional work that the student must do in order to receive the additional credit, and how

that work will be evaluated, must be clearly outlined in the petition. Usually instructors award one grade, but may choose to assign different grades to the regular course and the additional project.

A student whose petition for additional credit is granted may not drop that credit after the deadline for dropping courses has passed.

Partial Registration

With the permission of the appropriate Dean, a regular student may take a part-time schedule of eight or fewer academic semester hours of credit. A part-time regular student may pay by the credit hour and must carry eight hours or fewer. Regular students carrying more than eight hours are counted by the University as full-time students and must pay full tuition. A full-time student normally carries 15 to 16 hours. For students on financial aid or scholarship, a minimum registration of 12 hours is required.

Special Registration

Special registration is open to persons living within commuting distance of the campus, certain foreign students who want to take for credit, or to audit, certain courses of special interest but who are not degree candidates, and certain graduates who want to take post-graduate work. A special student may not register for more than 8 credit-hours of academic work except by permission from the Academic Standing Board. A special student desiring credit must submit appropriate credentials to the Office of Admissions. If, after one semester, a special student has failed to maintain a 2.0 average, the special standing can be terminated.

Changes in Registration: Adding of Courses

A student may add courses or credits to his or her registration during the first two weeks (10 class days) of a semester. The student should consult with the advisor and must have the consent of the instructor and academic advisor. The appropriate documentation must be filed promptly.

Changes in Registration: Dropping of Courses

A drop of a course or credit may be permitted through the end of the fourth week of classes by submitting to the Office of the Registrar a properly completed change of registration form. During the first collegiate semester, first-year students may drop a course until the conclusion of the ninth week. Please note that excess hour fees and applied music lesson or other course fees are not refunded after the fourth week in the case of a student withdrawing for any reason from a course or from the University. Change of registration after the stated deadlines requires action of the Academic Standing Board. The decision of the Academic Standing Board is final.

Late Registration

Students failing to register by the deadline date prescribed in University publications and/or failing to respond properly to University official's notices regarding the problem shall be withdrawn from all preregistered courses. Such withdrawal carries with it financial forfeitures of 50 percent of all fees due. Appeal of this action shall be to the Academic Standing Board and, with a resulting decision of reinstatement, normally carries a minimum penalty of \$50 and other disciplinary sanctions as deemed appropriate.

Statement of Petition Policy

On the advice of the Registrar, students may petition the Academic Standing Board for exceptions to rules concerning academic policies and procedures. However, the Board will consider only those petitions submitted

Statement of Petition Policy

sufficiently far in advance so that, if denied, the petitioner will still have time to remedy the deficiency by suitable re-scheduling or other appropriate action.

Attendance Policy

A hallmark of a Denison education is the small, interactive, and participatory classroom, situated on a residential campus. Therefore, it is essential that students be present on campus and be active participants in their courses. Attendance policies are designed to promote the success and well-being of the individual students as well as the community of learners in each class and each co-curricular undertaking. For oneself and one's peers, attendance and presence on campus are vital to the Denison education.

It is expected that all students will attend and participate in regularly scheduled classes. If a class is missed, for any reason, the student is responsible for determining what occurred in the missed class. Absence from a class will not be accepted as an excuse for not knowing class material. Students are responsible for all information, discussion, and conceptual analysis that takes place during classes.

Attendance policy is set by the instructor. It is the responsibility of the instructor to establish (a) a policy on class attendance, (b) any criteria for excused absences when attendance is required, and (c) a policy for make-up of missed work. The latter is particularly important because class absence is a loss of opportunity for learning. It is vitally important that each faculty member review these points in class early in the semester. The course syllabus is the contractual agreement between instructor and student. It is important that the instructor outline clearly the expectations and all other factors that determine grades and penalties.

It is the student's responsibility to provide any needed documentation for class absences, including medical excuses. At the student's request, Whisler Health Center will issue a dated documentation of visit in the event of a situation requiring class absence.

Each semester, students must be on campus and attend the first meeting of their registered classes. If circumstances prevent a student from arriving on campus for the first day of classes, the student must notify the Dean of Students. Students who miss class for an extended period of time during a semester because of personal, medical, or psychological reasons must also notify the Dean of Students. Without prior notification and approval for these types of absences, the student may be withdrawn or be required to take a leave of absence by the Dean of Students in consultation with the Associate Provost and relevant campus offices and individuals (including faculty).

Denison's orientation programs are designed to welcome and introduce new students to our campus resources, community, and culture. All students attending Denison for their first semester (new First-Year Students and Transfer Students) are required to attend Denison's mandatory orientation programs. Failure to attend and/or complete the required orientation activities may result in a student being withdrawn or having their offer of admission revoked.

Academic Integrity

Every Denison student is expected to know and uphold University standards in matters of academic honesty. Students who practice academic dishonesty assault their own integrity as well as that of the University. Behavior that is in direct violation of these standards is discussed in the student handbook. Each Denison student is expected to be familiar with this policy. Please note that violations may result in suspension or expulsion from the University.

Student Classification

Classification of students is determined by the amount of academic credit earned.

First-Year Standing - A student is classified as a first-year student if hours earned are fewer than 26 semester-hours of credit.

Sophomore Standing - A student must have earned 26 semester hours of credit.

Junior Standing - A student must have earned 60 semester hours of credit.

Senior Standing - A student must have earned 90 semester hours of credit.

Eligibility Rule

A regularly enrolled student registered on a full-time basis (normally 12 semester-hours or more) and in good academic standing shall be eligible to participate in all college and intercollegiate activities. The student whose scholastic record falls below a 2.0 average will not be permitted to participate in intercollegiate athletics. First-year students are eligible to participate in intercollegiate athletics during their first semester.

Credit Earned by Advanced Placement Testing

First-Year Students and Transfer Students who score a 4 or 5 on a College Entrance Examination Board (CEEB) Advanced Placement Examination (AP) will usually receive academic credit for their scores. Should results be presented in academic disciplines or areas that are not part of the Denison curriculum, credit will be subject to departmental review and credit hours may or may not be assigned. Two other kinds of advanced placement testing can be considered for credit. A student presenting "A" marks on the British System "A" Level Examination or a score of 6 or 7 on an International Baccalaureate (IB) Higher Level Subject Exam may ask the appropriate Denison department for advanced placement credits. In a few instances positive results from advanced placement examinations can be applied toward general education or major/minor credits but departments reserve the right of review and the final determination of how such credits count.

Recognition of Credit Earned Elsewhere

Denison accepts transfer credit for courses that are either equivalent to a course in the Denison catalog or at a level deemed appropriate by the department or program (hereafter called "the Department") in which credit is being sought. Requests to have transfer credit fulfill a major, minor, or concentration requirement are subject to approval by the Department. The initial determination of the satisfaction of a competency requirement, including Power and Justice (P), Quantitative Reasoning (Q), Oral Communication (R), and Writing Competency (W), will be made by the academic department closest to the discipline in which the transferred course was taught. Appeals to the initial determination may be directed to the General Education Competency Committee for the P, Q, and R requirements, and to the Writing Committee for the W requirement. Denison will not normally accept credits earned in disciplines other than those in the Denison curriculum. Transfer credit will be honored only if taken at an accredited college or university and only if the student submits an official transcript of credit within 180 days of the course completion. Students considering off-campus work for Denison credit (especially summer school work) must confer with the Registrar, their academic advisor, and the chairperson of the Department (or a designate) prior to enrolling elsewhere. The University has no obligation to award transfer credit for course work that was not approved in advance. The courses must be completed with grades of "C" or better in order to be considered for transfer credit. Course work completed in non-traditional fashions, such as distance learning formats, web-based formats, Post Secondary Enrollment Option, including college courses for which high school credit was also granted, CLEP and other college credit bearing instruments, may be subject to review by the Registrar and the Department.

Grades Earned Elsewhere

Grades received at another institution shall not be computed into the Denison quality-point average, or be used to remove Denison quality-point deficiencies. Denison will not award credit for work below "C" on transfer from another institution. Students who have received prior approval of the Denison Off-Campus Study Office will have their grades earned at the program site appear on their Denison record. The grades will not be included in GPA calculations.

Withdrawal From the College

Withdrawal from the University at any time is official only upon written notice to the Dean of Students. For more information, see the Dean of Students web page at <http://www.denison.edu/campus/dean-of-students>. A request to the Registrar for a transcript or failure to participate in room lottery is not considered withdrawal from the University.

A student who withdraws from school without official permission will receive a grade of F (failure) on his or her permanent record. Petitions for exception must document unusual circumstances, and such petitions are submitted to the Academic Standing Board.

In addition, a student who finds it necessary to leave Denison before the close of the semester must, in order to receive an honorable dismissal, report to the Dean of Students and arrange for an official withdrawal. Students withdrawing completely from school may receive grades of "W," "WP," or "WF" for all enrolled courses. Students receiving permission to withdraw from an individual course after midterm will have the course entered on the permanent record with a grade of "WF" or "WP." Students who withdraw under the condition of medical leave may petition to have the grade of "WF" or "WP" changed to "W."

The college may, when in its judgment, such action is in the best interest either of the student or of the student body, dismiss or refuse to enroll or re-enroll any student.

For further information, please consult Refund or Forfeiture of Tuition, Activity Fee, Student Health Fee and Room and Board, page 303.

Privacy Policy

Denison University is committed to protecting the privacy of students' personal information. Denison respects students' right to privacy and recognizes its obligation to keep information secure and confidential. For more information, see the University Privacy Policy at <http://www.denison.edu/forms/university-privacy-policy>.

Special Academic Regulations

Grading System

Beginning in 1976, plus and minus grades carry the following weights in the computation of grade-point averages.

A+	4.0 for each credit-hour.
A	(Excellent) 4.0 for each credit-hour.
A-	3.7 for each credit-hour.
B+	3.3 for each credit-hour.
B	(Good) 3.0 for each credit-hour.
B-	2.7 for each credit-hour.
C+	2.3 for each credit-hour.
C	(Fair) 2.0 for each credit-hour.
C-	1.7 for each credit-hour.
D+	1.3 for each credit-hour.
D	(Passing) 1.0 for each credit-hour.
D-	.7 for each credit-hour.
F	(Failure) 0 for each credit-hour.
I	(Incomplete)
S	(Satisfactory) 0 for each credit-hour.
U	(Unsatisfactory) 0 for each credit-hour.
WD	(Withdraw)
WF	(Withdrawn Failing)
WP	(Withdrawn Passing)
CR	(Credit) 0 for each credit-hour.
NG	(No Grade Reported).
WV	(Waiver of Course or Requirement).
PR	(Progress) Course in progress (usually the final mark is determined at conclusion of the course sequence).
AU	(Audit)
X	Precedes a grade that was affected by academic misconduct penalties

Plus or minus grades given before the fall semester, 1976-77, are not reflected in the grade-point averages.

Incomplete Grade

An incomplete grade in a course may be granted only with permission from the Academic Standing Board. The student shall petition the Board, giving the reasons for the desired extension of time. The statement must be signed by the instructor of the course and the student's advisor. All such requests must be submitted prior to the last day of scheduled classes for the semester. Should a request for an incomplete grade be granted, completion of the work must be accomplished by the end of the sixth week of the following semester, or any time previous, as prescribed by the instructor.

Satisfactory/Unsatisfactory Evaluation

Juniors and seniors may elect to take one course per semester utilizing the Satisfactory Grading option. For a student earning a "C" or higher, the Registrar will convert this grade to an "S," for "satisfactory," with no

impact on cumulative grade point average. For a student earning a "C-" or lower, the Registrar will record that grade on the academic transcript, and it will be included in the grade point average. This option may not be exercised for courses within a student's major or minor fields, including required cognate courses, and it is not an option for any General Education requirement. To exercise this option, a student must complete the appropriate form at the Registrar's office, no later than the fifth week of the semester. No approval is necessary from a department or program or instructor, and a student is not required to inform the instructor about exercising this option. A few courses are offered to everyone utilizing a "satisfactory" grading format, and such courses are not included in the option described above.

Repeating Courses

Students may repeat courses in order to develop greater mastery of the subject matter. However, second efforts do not erase original efforts, including failed first attempts, and both grades will be included in the GPA calculations. Should students take and successfully complete a course twice, they must be aware that both grades will be included in the GPA calculations but the credit hours cannot be included twice. You may wish to discuss all potential ramifications with the Registrar if this scenario is a factor for you. Students who want to re-enroll for a course for which they have already received a passing mark must receive permission from the chairperson of that department and the instructor of the course in question. Repeating a previously passed course may present Financial Aid implications.

Academic Probation/Suspension

When a student's academic performance is less than what is minimally expected by the University, the student will be placed on Academic Discipline. The following designations are used by the University in such instances.

Academic Probation occurs when a student's cumulative average is less than 2.00. Students placed on Academic Probation are expected to be in good standing within two semesters unless a student earns a 2.00 or below semester average while on academic probation, in which case a student would be suspended. Any semester with a performance below 1.00 will result in academic suspension; thus, a student may bypass academic probation and be suspended if the semester performance has been particularly weak and below a 1.00 for the term.

Continued Academic Probation is designated when a student previously on Academic Probation has been successful in removing a portion of the deficiency but not the entire deficiency. A quality point deficiency occurs when a student's cumulative GPA is less than 2.00, and reflects how far a student's GPA is from 2.00. Students on Continued Academic Probation are expected to be in good standing by the conclusion of their next semester.

Suspension occurs when a student earns a 2.00 or below semester average while on Academic Probation or Continued Academic Probation. A student may also be suspended when he or she fails to regain good standing after being on Continued Academic Probation or Deferred Suspension. Performance of less than 1.00 for the semester will result in suspension regardless of the student's cumulative average, unless this occurs in the student's final semester.

Deferred Suspension occurs when a suspended student has been reinstated. Students on Deferred Suspension will be given conditions that must be fully met during the next semester in residence in order to remain eligible for enrollment. The procedures for seeking deferred suspension are found in "Eligibility for Re-enrollment." Students who have a quality point deficiency in excess of 8.0 may be placed on deferred suspension even though they meet other criteria listed above. Such judgments are made by the Academic Standing Board and are done as an effort to assist the student in regaining good academic standing.

Eligibility for Re-Enrollment

A student on academic suspension who has shown marked improvement over his or her Denison record in work taken at some other accredited college or university, or can present evidence of a maturing nonacademic experience, may petition the Academic Standing Board for reinstatement. In nearly all cases, a student is expected to demonstrate some degree of academic improvement by taking course work elsewhere. This petition must be submitted to the Office of the Registrar by July 1 for fall reinstatement and by November 1 for spring reinstatement. Should the student be readmitted, he or she must meet all the conditions of the Academic Standing Board or again face suspension.

A former student who was in good academic and social standing when he or she left the College may be readmitted to Denison by writing to the Office of Student Development and by repayment of the enrollment deposit.

For more information regarding re-enrollment, see the Student Handbook at <http://www.denison.edu/forms/student-handbook>.

Matriculation Requirement

To be a candidate for a Denison degree, a student who enters Denison as a first-year student must complete at least 64 credit hours of the required 127 at Denison, and a transfer student must complete a minimum of 64 semester hours of the required 127 at Denison. Generally, all students, except those enrolled in recognized preprofessional 3-2 programs, must complete the last two semesters in residence at Denison. A course taken "in residence" is defined as any course scheduled by the Denison registrar and taught on the Denison campus, or any course scheduled by the Denison registrar and taught off-campus by a full-time Denison faculty member. This policy prescribes a university-wide minimum residence requirement; individual departments may have stricter requirements. Exceptions may be made by the Academic Standing Board.

Commencement Exercises

Commencement Exercises are held annually at the conclusion of the spring term. In order to participate in Commencement Exercises, the student must have completed successfully all requirements for graduation. No exceptions are granted to this regulation. Students completing graduation requirements in August or December are eligible and invited to participate in the next May Commencement Exercise.

Library, Information Resources, and Information Technology Services

The Denison University Library, housed in the William Howard Doane Library/Seeley G. Mudd Learning Center, offers a full range of traditional and online services, and collections. Liaison Librarians for Fine Arts, Humanities, Natural Sciences, and Social Sciences collaborate with faculty and students to ensure access to information resources that support the curriculum and research needs of the entire campus community, integration of information literacy concepts into the curriculum, and the creation and preservation of the intellectual and scholarly output of the campus. Library services include research assistance, electronic and print reserves, and interlibrary loan/document delivery. The Learning Commons, located on the main floor of the library, offers an integrated, user-centered environment to support learning, teaching and research. Attractive, convenient, and flexible, the Commons has social space, as well as individual and group study spaces, along with the latest information resources and technologies. Learning support is available at the Commons Desk where librarians and media support personnel are available for consultation. Writing Center, Academic Support, and Modern Languages consultants join Library and ITS Help Desk personnel here during selected hours. With seating for nearly 700, the library offers a multi-media viewing room, an 18-station electronic

Assessment of Academic Programs

classroom/student lab, and a video conference facility, available on the lower floors. Wireless access is available throughout most of the building.

As a member of the Five Colleges of Ohio and OhioLINK consortia, the library offers access to a vast collection of online and tangible resources. The online catalog CONSORT offers access to 4.64 million volumes from the combined library collections of Denison University, Kenyon College, The College of Wooster, and Ohio Wesleyan University. Participation in the OhioLINK central catalog and daily delivery among the campuses of The Five Colleges of Ohio and OhioLINK institutions offers access to nearly 50 million volumes. The library subscribes to over 450 electronic resources, most with full text, ranging from digitized historical collections to current online journals. Other library resources include archives and special collections, maps, government publications, plus media resources in a wide variety of formats. For more information on the library and collections see the library home page at <http://denison.edu/campus/library/>.

Information Technology Services (ITS) provides a wide range of technology services to students, faculty, and staff to enhance the learning experience. Services include campus-wide WiFi; up-to-date learning technology in classrooms & labs with more than 600 computers available for student use; network file storage and network-based printing with a generous print allowance for students; Microsoft Office, McAfee Antivirus and select academic software for installation on student-owned computers at no charge; online and in-person training; access to 3-D printing and laser cutting; and technology equipment for checkout at the Circulation Desk in the Library (like Chromebooks, digital still & video cameras, and audio recorders). Online services include MyDenison (a password-protected intranet for students, faculty, and staff); Denison Apps (email, calendaring, online file storage, and document sharing, powered by G Suite for Education); Adobe Creative Cloud (in labs); and NoteBowl (Denison's social learning platform that helps extend the learning experience outside the classroom).

Approximately ninety-eight percent of students bring a notebook computer to school. Apple, Dell, and HP provide academic discounts to Denison students. For recommended computer specifications and links to online stores for these vendors, please see <http://www.denison.edu/its/purchase>.

The ITS Help Desk <http://www.denison.edu/its/helpdesk>, staffed by full-time technicians and student assistants, is available to assist students with technology questions and problems, including problems with personally-owned computers.

For more information about technology services, please visit <http://www.denison.edu/its> or the Information Technology Services (ITS) section on the Campus Resources tab in MyDenison (<https://my.denison.edu/cr/node/7>).

Assessment of Academic Programs

Under the guidelines set forth by the Higher Learning Commission, Denison has established a set of programs to evaluate the achievement of our educational goals. These programs will continually assess the outcomes of student learning in terms of the stated objectives of the general education, the academic major, and electives programs.

Courses of Study 2017-2018

Anthropology and Sociology

Faculty

Associate Professor Veerendra P. Lele, Chair

Associate Professors Susan Diduk, Fareeda Griffith; Assistant Professors John Davis, Karen Powell Sears, Hosna Sheikholeslami; Visiting Assistant Professors Lindsey Ibanez, John Soderberg; Academic Administrative Assistant Nancy Welu

Departmental Guidelines and Goals

The major in Anthropology and Sociology is designed to meet the educational needs of three kinds of students: (1) those whose interests focus on a liberal arts education and who wish to use the disciplines to understand cross-cultural patterns, social institutions, and socio-cultural change; (2) those who wish to use anthropology and sociology as a background for certain occupations such as law, social work, medical and health sciences, business, public service, and human service careers; and (3) those who expect to pursue graduate study in anthropology or sociology, leading to a teaching, administrative, or research career.

Anthropology and Sociology Major

A major in Anthropology and Sociology must complete ten courses within the department. Six of those courses comprise a core curriculum including ANSO 100, 290, 316, 350, 351 and 460. The other four courses are electives that a major may select from among the department offerings. At least three electives must be at the 300 level. ANSO 460 and one elective at the 300-level are waived for students undertaking a two-semester senior research in the department (ANSO 451/452). In addition, majors in Anthropology and Sociology should select an advisor from the departmental faculty. Anthropology and Sociology advisors assist majors in both advance planning and selection of course work.

Anthropology and Sociology Minor

Completion of a minor in Anthropology and Sociology requires a student to complete ANSO 100, 290, and either ANSO 316, 350 or 351 and three electives for a total of 24 credits. At least one elective course must be at the 300-level. In addition, minors in Anthropology and Sociology should select an advisor from the departmental faculty (in addition to the advisor in their major). Anthropology and Sociology advisors assist minors in both advance planning and selection of course work.

Course Offerings

People, Culture and Society (ANSO-100) An examination of fundamental questions concerning the nature and foundations of sociocultural behavior. The course presents a variety of sociocultural approaches for understanding human nature and hominid evolution, cross-cultural similarities and differences, the sources of inequality, and the enormity of recent social change. This course is required of all majors and minors in Anthropology/Sociology and has no prerequisite. **4**

Introductory Topics in Anthropology and Sociology (ANSO-199) A general category used only in the evaluation of transfer credit. **1-4**

Sex and Gender in Society (ANSO-210) This course compares and evaluates a variety of theories which attempt to explain the origins, persistence and effects of gender in American society. In particular, it explores

a number of settings that may include: the family, the work place, the political arena, religious activity, violence against women, and face-to-face interactional contexts. Special attention is given to the ways in which race, ethnicity, class and sexual orientation shape gender experiences. Although its primary focus is American society, the course compares problems of sexual inequality in American society with other, quite different, societies in order to gain a comparative understanding of how discrimination, prejudice, and structural inequality, wherever they are found, create special problems for women. Throughout, the focus is on learning to use structural, historical, and theoretical information as guides to understanding social change and the choices facing women and men. Cross-listed with WGST 210. **4**

Race and Ethnicity (ANSO-212) Contrary to the expectations of many modern social theorists, race and ethnicity continue to be important elements in the lives of contemporary people, serving as frameworks through which individual identities, community actions, and cultural meanings are interpreted. This course will introduce students to the sociocultural analysis of racial and ethnic identities. How did ethnic and racial identities and communities develop over time? Why does race, though now understood to be a social rather than a biological category, continue to be (mis)understood as a biological category? How do aspects of political, class, gender, and sexual identities influence racial and ethnic identities? We will use a global perspective to understand the conception of race and ethnicity. We will explore these topics among others including cultural and historical variability of ethnic and racial categories, the dialectical formation of identity, and the persistence of certain forms of racial and ethnic prejudice. Students will be expected to examine critically their own common assumptions and presuppositions about race and ethnicity, and to begin developing the theoretical tools for interpreting life in an ethnically diverse world. Cross-listed with BLST 212. **4**

Religion and Society (ANSO-217) This course investigates the relationship between religion and society, and the social dimension of religious truth-claims. The central theme entails a cross-cultural study of religious influences on both social stability and change or revolution. In exploring this tension between religion and existing socioeconomic and political orders, we will consider examples such as religious movements, as well as the ritual life of both the individual's life cycle and wider social and political institutions. This course has no prerequisite. **4**

Contemporary Japan (ANSO-221) Japan often conjures images steeped in tradition such as samurai warriors, sumo wrestlers, and geisha clad in kimono. At the same time, however, contemporary Japan is just as easily associated with businessmen, anime, automobiles, and high technology. How have "tradition" and "change" fueled competing visions of Japan what it means to be "Japanese"? How does one go about reconciling these conflicting views? How have these debates evolved over time? How have variously situated individuals and groups in society negotiated shifting circumstances? These questions will be at the heart of this seminar as we consider case studies from different segments of Japanese society. A range of material will be treated as "texts" for analysis and discussion including anime, manga, literary works, and films as well as ethnographic scholarship on Japanese society. **4**

Human Origins and Prehistory (ANSO-224) This course examines the topics of human origins, human nature, evolution, and prehistory, emphasizing the interplay between biological and sociocultural aspects of human life. Readings will draw from accounts of primate social behavior, hominid evolution, and archaeology to investigate the foundations of our uniquely human form of adaptation through culture. This course has no prerequisite. **4**

Studies in Anthropology and Sociology (ANSO-245) Special topics in Anthropology and Sociology. **4**

The Development of Social Thought (ANSO-290) An investigation of the classical foundations of social thought and sociocultural theory in sociology/anthropology. The course will concentrate on the original works

of authors such as Marx, Nietzsche, Freud, Weber, Durkheim, Martineau, DuBois and other significant authors of the nineteenth and early twentieth centuries. This course is required of all majors and minors in anthropology and sociology. Prerequisite: ANSO 100 consent. No First Year students. **4**

Intermediate Topics in Anthropology/Sociology (ANSO-299) A general category used only in the evaluation of transfer credit. **1-4**

Contemporary Sociocultural Theory (ANSO-316) Analyses of central theoretical questions in anthropology and sociology. Historical developments and major paradigms within the two disciplines are explored. The process of theory construction is examined and a critical perspective developed. Required of majors. Prerequisites: ANSO 100 and 290. **4**

Contemporary African Peoples in Historical Perspective (ANSO-320) This course is an examination of the historical, ethnic and socio-cultural diversity of sub-Saharan Africa societies. Central to this overview is an emphasis on the pre-colonial, colonial and postcolonial eras. It considers questions of economic development, urbanization, agricultural production and the relationship of the contemporary African state to rural communities. This course also explores symbolic systems in the context of rituals, witchcraft, indigenous churches, and new forms of Christianity currently spreading in Africa. Prerequisite: ANSO 100 or by consent. **4**

Anthropology of Human Rights (ANSO-321) This seminar interrogates the social life of rights by situating human rights within critical analyses of law, society, and culture. A brief examination of key human rights documents and institutions will be followed by an analysis of topics and case studies selected to juxtapose Asian and Western contexts. A primary concern of this seminar will be to scrutinize how human rights get reworked and refashioned in a range of local settings by various actors on the ground pursuing social justice. Prerequisite: ANSO 100 or consent. **4**

Culture, Society and the Individual (ANSO-331) This course examines the relationship between individuals, their society and culture. This involves looking at differing cultural conceptions of "human nature", and the way in which both "intelligence" and the emotions are "cultural performances." The nature of the "self", indeed, the structure of perception and cognition, are not separable from specific patterns of sociocultural life. Finally, Western and cross-cultural examples will be used to assess different models of social determinism and the cultural impact of human decisions and action. Prerequisite: ANSO 100 or consent. **4**

Social Structure and Popular Culture (ANSO-338) Under study here are the production and distribution, form and content, and artists and audiences of popular culture internationally. We will consider prominent social theories, from the Frankfurt School's critique of popular culture, through the writings on mass culture in the United States, to the recent rehabilitation of popular culture by British writers like Stuart Hall and Paul Gilroy. Some of the major questions addressed will include: How do the social arrangements and the technologies of production shape the messages conveyed in popular media? What is the relationship between popular culture and "high" culture? Under what conditions does popular culture distract people from the struggles for equality and social justice, lulling them to passivity, and when can it inspire protest, or even transform people's behavior? Prerequisite: ANSO 100 or consent. **4**

Culture, Identity and Politics in Caribbean Society (ANSO-339) This course focuses on the social, cultural and political life of the Caribbean area, especially the English and French speaking areas. A fragmented group of nations decidedly on the periphery of the global economy, the Caribbean was once one of the richest areas of the world. Its riches then depended on the labor of enslaved Africans; the fruits of the plantation economy were enjoyed mainly by European planters. What is the legacy of such a history? We review the variety of Caribbean policies, from the strong democratic traditions of Jamaica to the autocratic rulers of Haiti, and explore how the Caribbean's unique combination of cultural influences affect the political processes,

ways of life, class divisions and ethnic stratification evident in the Caribbean today. Prerequisite: ANSO 100 or consent. **4**

Social Movements (ANSO-340) In this course we explore social movements as a primary means of social change. We attempt to understand the conditions which precede, accompany and follow collective action. Particular case studies for analysis will be drawn from the United States and cross-cultural contexts to illustrate that social movements are human products that have both intended and unintended consequences. Prerequisite: ANSO 100 or consent. **4**

Non-Governmental Organizations, Development and Human Rights (ANSO-342) This course is a critical and inter-disciplinary examination of the role and consequences of non-governmental organizations (NGOs) in the development industry. The course explores the history, organization and agenda building of NGOs since the 1950's. Power relationships between NGOs and states, particularly in the southern hemisphere, as well as with bilateral and multi-lateral institutions are pivotal to our examination. The ideological, programmatic and conceptual differences among NGOs are examined within the broader context of theories of development. We ask why growing numbers of people see NGOs as the answer to ameliorating poverty, disease, violations of human rights and environmental degradation, among others. Some of the organizations that we examine include Greenpeace, Amnesty International, the Grameen Bank and Working Women's Forum. Prerequisite: ANSO 100 or consent. **4**

Demography of Africa (ANSO-343) In this course, we begin by reviewing current literature to clearly define the term, Demography. Next, we examine the demographic processes of population change in the continent of Africa. Demographic processes include mortality, fertility and migration. In addition, we explore patterns of urbanization, economic development and educational attainment. We analyze survey data from the African Census Analysis Project and Demographic Health Survey. Upon completion, you should be familiar with a variety of demographic processes that allow an examination of interesting demographic, social and anthropological questions. Prerequisite: ANSO 100. **4**

Special Problems (ANSO-345) Special topics offered at an advanced level not covered in regular courses. **4**

Power in Society (ANSO-347) Using theoretical approaches and methodological tools from anthropology and sociology, this course explores the nature of social power and its distribution in a variety of social settings. Under what conditions do specific types of power distributions emerge, and what consequences do they have for people's social and economic lives? When do political systems change, and why? How do social and cultural factors influence people's participation in political action? A variety of social institutions relevant to politics are examined in this course, including interest groups, political parties, the state and transnational organizations. Processes such as legitimization of authority, social influences on policy formation, political socialization, mobilization and co-optation are analyzed in the contexts of local, national and international politics. Prerequisite: ANSO 100 or consent. **4**

Semiotic Anthropology (ANSO-348) This course is an introduction to semiotic theory. Semiotic is the study of signs and representation. It is based upon the simple and perhaps surprising insight that things are meaningful only to the extent that they stand for something other than themselves. This is not simply a 'theory' class - this class will focus on the symbolic, empirical, material world. As a social science course, we will be concerned primarily with human semiosis, that is, the ways in which human being is manifest through and in signs, with a particular focus on the semiotic of C.S. Peirce. While no prior training in formal philosophy is required, some training in the study of human sociocultural practices will be helpful. Most of all, this course will endeavor to introduce students to some key aspects of Peirce's semiotic and phenomenology, all in the service of understanding our "glassy essence". Prerequisite: ANSO 100. **4**

Field Research Methods (ANSO-350) This course provides experience in the design and implementation of field research. In addition to techniques of collecting, analyzing, interpreting and reporting data, we examine the history of social research, ethical questions involved in field research, and the theoretical assumptions on which various research strategies are based. Students will construct and implement research designs using field research techniques including ethnography, participant observation, and content analysis. Quantitative analysis including descriptive statistics will be included. Required of majors. ANSO 350 and 351 may be taken in any order. Prerequisite: ANSO 100 or consent. **4**

Survey Research Methods (ANSO-351) This course provides experience in the design and implementation of sociocultural research. In addition to techniques of collecting, analyzing, interpreting and reporting data, we examine epistemological issues that underlie social research, ethical questions involved in research, and the theoretical assumptions on which various research strategies are based. Students will construct and implement research designs using survey research and secondary data analysis. Quantitative analysis, including descriptive and inferential statistics, analysis of variance, and simple regression will be included. Required of majors. ANSO 350 and 351 may be taken in any order. Prerequisite: ANSO 100 or consent. **4**

Directed Study (ANSO-361) 1-4

Directed Study (ANSO-362) 1-4

Independent Study (ANSO-363) 1-4

Independent Study (ANSO-364) 1-4

Adv topics in Anthropol/Soc (ANSO-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Research (ANSO-451) 4

Senior Research (ANSO-452) 4

Senior Research Seminar (ANSO-460) An integrative course designed to be a culmination of students' work in the major. This course focuses on the design and completion of semester-long research projects by senior majors. The course will provide the basis for reflection about the nature and importance of anthropology and sociology as disciplines and in relation to our role as researchers and citizens. Required of Senior Majors. **4**

Arabic

Faculty

Associate Professor Christine Armstrong, Chair

Assistant Professor Hanada Al-Masri; Academic Administrative Assistant Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery

that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in all subsequent courses. The Department emphasizes the use of the target language in most of its courses because students can best appreciate another culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

Additional Points of Interest

General Departmental Regulations Students who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO, which is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authentic materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable; the TV is also connected to a zone-free DVD player and a document

camera. The lounge has a ceiling-mounted data projector that connects to a networked Mac computer, the DVD player and document camera.

The Language and Culture Program This exciting residential option gives students the opportunity to hone their language skills and participate in special cultural events. Students who choose this residential option will live in a small community of their peers who share their enthusiasm for language and culture studies. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Although the Department of Modern Languages offers majors in French, German and Spanish, other languages are also offered for the purpose of general education and support of other college programs. Courses in Arabic are listed below.

Course Offerings

Beginning Arabic I (ARAB-111) This is an introductory course to Arabic language and culture. It assumes no previous knowledge of Arabic and provides a thorough grounding in the four language skills of listening, speaking, reading, and writing. It starts with the alphabet and the number system and builds the four skills gradually and systematically through carefully selected and organized materials focusing on specific, concrete and familiar topics such as self-identification, family, travel, food, renting an apartment, study, the weather, etc. This course follows the underlying philosophy of the integrated approach to Arabic language instruction and culture. It is based on the integration of Modern Standard Arabic (MSA) and spoken dialectical Arabic (Levantine) in a way that reflects the actual use of language by its native speakers. Overall, the course aims at improving students' linguistic knowledge from Novice-low to Novice-high level, according to the ACTFL proficiency guidelines. **4**

Beginning Arabic II (ARAB-112) This sequential course builds on its pre-requisite (ARAB-111). It aims at further developing the four language skills of listening, speaking, reading, and writing. Themes covered during the course of the semester include: food, shopping, study and education, jobs, health, transportation, weather, sports & hobbies, and touristic places (Jordan, Palestine). The course continues to follow the philosophy of the integrated approach to Arabic language instruction and culture. Overall, the course aims at improving students' linguistic knowledge from Novice-high to Intermediate-low level, according to the ACTFL proficiency guidelines. The course fulfills the GE language requirement (K). **4**

Introductory Topics in Arabic (ARAB-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Arabic I (ARAB-211) This is an intermediate level course in Arabic. Similar to its prerequisite (ARAB 112), the course follows the same philosophy of integrating Modern Standard Arabic and spoken Arabic to reflect the language as used by native speakers. The course continues building upon the linguistic foundations started in ARAB111, and ARAB 112 and aims at developing the four language skills of listening, speaking, reading, and writing through two graded levels: for the first half of the semester, students study topics centered around their daily lives and activities. The second half of the semester takes students to a more advanced level where they start discussing topics moved away from the self and get closer to topics of a general nature like the history and geography of the Arab world, education, etc. In this courses students will read longer passages (250-350 word), write on the paragraph level, listen to longer texts, and produce longer conversations. In addition, the course continues the practice of introducing Arab society, history, and culture. Overall, the course aims at improving students' linguistic knowledge from to Intermediate- low to Intermediate-mid level, according to the ACTFL proficiency guidelines. The course fulfills the GE requirement for humanities (U). **4**

Intermediate Arabic II (ARAB-212) This course continues building upon the linguistic foundations started in its pre-requisite (ARAB-211). It aims at developing a higher level of proficiency in listening, speaking, reading, and writing in Arabic through the extensive use of graded materials on a wide variety of topics. The material covered is theme-based. This increases both quality and quantity of students' vocabulary and provides more fluency and facility in understanding the language and communicating with it. The themes covered include: Arab cities, Arabic language, food & drinks, health, sports, travelling & transportation and weather. Overall, the course aims at improving students' linguistic knowledge from Intermediate-mid to Intermediate-high level, according to the ACTFL proficiency guidelines. The course fulfills the GE requirement for humanities (U). **4**

Conversational Arabic (ARAB-213) This course offers intensive practice in conversational skills in Arabic (both MSA and Dialectal). It aims at expanding students' vocabulary and increasing their linguistic fluency and accuracy through a wide range of topics that gradually move from personal life and daily routines through one's interests and surroundings to discussing community-related news and events. The course provides ample opportunities to intensively practice the language, narrate in the three time frames (past, present and future) and activate the vast amount of vocabulary accumulated over the course of four semesters of learning Arabic (around 1800 words). Such practice will be done through daily briefings, discussions, oral presentations, reporting on audiovisual materials and Arabic movies, in addition to supplementary authentic Internet-based material to deepen students' understanding of Arab cultures. At the end of the course, students' oral proficiency will develop from Intermediate Mid to Advanced low ACTFL levels. Prerequisite: ARAB 212 or placement. This course fulfills the GE requirement for humanities (U) and the Oral competency requirement (R). **4**

Intermediate Topics in Arabic (ARAB-299) A general category used only in the evaluation of transfer credit. **1-4**

Special Topics in Arabic (ARAB-300) This course will further develop students' linguistic skills in both Modern Standard Arabic (MSA) and spoken Arabic. Specific topics will vary according to the interests of students and faculty. Prerequisite: ARAB 211 or equivalent. **4**

Advanced Arabic I (ARAB-311) This is an advanced Arabic course that requires the completion of Intermediate Arabic II (ARAB 212) as its prerequisite. While this course continues to build upon the linguistic skills of ARAB 212, Advanced Arabic I (ARAB 311) primarily focuses on developing fluency in oral expression with the hope to reach to a native-like pronunciation (using educated spoken Arabic) and demonstrating accurate use of grammatical structures of Modern Standard Arabic. The material used for this course is chosen in such a way that develops students' linguistic skills across two proficiency levels: For the first half of the semester, student will be dealing with topics at the intermediate high level including: law, politics in the Arab World, Palestine, military affairs, environment, and animals in the Arab World. For the second half of the semester, students' proficiency level will be developed so as to handle topics at the advanced level. Topics are presented through authentic and unedited Arabic language materials and include: minorities in the Arab World, Arab Americans, Arabic Language, health and sports. Overall, the course aims at improving students' linguistic knowledge from Intermediate-high to Advanced-mid level, according to the ACTFL proficiency guidelines. This course fulfills the GE requirement for humanities (U) and the Oral competency requirement (R). **4**

Culture of the Arab World (ARAB-315) The Arab world is composed of immensely varied cultures. This survey course (offered in English) aims at covering a broad spectrum of all aspects of Arab life from religion and society to social norms to communication styles. It also touches on its history, geography, language, economy, and environmental challenges. The course also addresses the relationship between the Arab world and the West and issues like stereotyping (on both sides), anti-Americanism and Islamic fundamentalism.

Since the course holds a fundamental approach, previous knowledge is not required. This course fulfills the GE requirement for humanities (U). **4**

Directed Study (ARAB-361) 1-4

Directed Study (ARAB-362) 1-4

Art History and Visual Culture

Faculty

Associate Provost for Academic Affairs Catherine Dollard, Acting Chair

Professors Joy Sperling; Associate Professor Karl Sandin; Assistant Professor Catherine Stuer; Visual Resource Specialist Jacqueline Pelasky, Academic Administrative Assistant Dyan Couden.

Departmental Guidelines

We strongly urge students to declare their intention to major in Art History and Visual Culture before the end of their sophomore year. We also urge students to choose an academic advisor from among AHVC faculty. Requirements for Art History and Visual Culture Major: 10 four-credit courses, 1 one-credit course (AHVC 409), participation in Junior Day, completion of the Senior Thesis (25-30 pages) and presentation of the Senior Thesis at the Annual Senior Symposium (AHVC 409). The Senior Thesis must be submitted to the Art History and Visual Culture faculty in order to graduate.

Art History and Visual Culture Major

1. Requirements for Art History and Visual Culture Major: 10 four-credit courses, 1 one-credit course (AHVC 409), participation in Junior Day, completion of Senior Thesis (25-30 pages) and Presentation of Senior Thesis at the Annual Senior Symposium (AHVC 409). The Senior Thesis must be submitted to the Art History and Visual Culture faculty in order to graduate.
2. Required Core Course: One 100-level course of student's choice: AHVC 101 (The Western World: Ancient to Baroque), AHVC 111 (Modern Art and Visual Culture), AHVC 121 (African Art and Visual Culture), AHVC 131 (Asian Art and Visual Culture). Required Core Courses for Juniors/Seniors: AHVC 380 (Methods of Art History and Visual Culture), this course to be taken in the junior year. AHVC 408-01 (Art History/Visual Culture Senior Seminar), this course to be taken in the senior year. AHVC 409-01 Art History and Visual Culture Senior Symposium.
3. Seven courses from the following 200 and 300-level courses: at least three must be at the 300-level (excluding AHVC 380). You **MUST** take at least one course in each area at either the 100, 200, or 300 level. African Art and Oceanic Art: AHVC 222 (Representing Africa on Film); AHVC 223 (Arts of Oceania); AHVC 225 (Arts of Post-Colonial Africa); AHVC 230 (Special Topics in African Art History); AHVC 324 (Visual Life in African Cities). Asian Art: AHVC 231 (Art of Japan); AHVC 240 (Special Topics in Asian Art History); AHVC 232 (Art of China); AHVC 333 (Art and Revolution in China). Modern Art: AHVC 211 (History of Photography); AHVC 212 (American Art); AHVC 220 (Special Topics in Modern Art History); AHVC 313 (New Art Late 20th Century-21st Century). Ancient to Baroque Art: AHVC 201 (Classical Art and Architecture), AHVC 203 (Early Renaissance Art and Architecture), AHVC 204 (High Renaissance and Baroque Art and Architecture, AHVC 210 (Special Topics in Ancient to Baroque Art History), AHVC 302 (Medieval Art and Architecture).

4. A limit of two courses towards the major may be taken from institutions other than Denison (including off-campus programs). It is strongly recommended that only one course be taken in each of the above areas. At least eight Art History and Visual Culture courses must be taken at Denison.

Additional Points of Interest

All juniors in Art History and Visual Culture participate in Junior Day. They are required to make a formal presentation of current work or research. The presentation is made to the faculty and to the student's peers as a "mini-symposium" in the junior year. There is also a Senior Symposium in which Art History and Visual Culture seniors make a formal presentation of their research to an invited audience. Art History and Visual Culture: Students in Art History and Visual Culture learn writing skills that are integral to the discipline and the liberal arts. Working closely with faculty, students learn to translate visual observation and evaluation into written language; articulate questions for research; communicate the results of their research discoveries in writing; and develop an informed, critical, and independent written voice. Our courses emphasize the sequential, graduated development of writing skills. These culminate in our required senior thesis and symposium. Denison University works to make study abroad possible for all students. In Art History and Visual Culture, we encourage students to study abroad during their junior year. Most students who major in Art History and Visual Culture transfer two classes for the major, satisfy appropriate GE requirements, and gain general credits towards graduation. Quite a few students do independent research or internships as part of their study abroad experience. We encourage students to visit the Off-Campus Study office to explore their options.

Art History and Visual Culture Minor

A minimum of six courses in Art History and Visual Culture of the student's choice.

Course Offerings

Senior Symposium (AHVC-096) 0

The Western World: Ancient to Baroque (AHVC-101) This course is an introduction to selected themes, periods, and sites of visual production and built practice in Europe, the Mediterranean, and the New World. It focuses on a selected series of 'case studies' that integrate sites/monuments significant to the flow of Western art with period-specific and general critical issues. The relation of systems of visual and architectural representation to period-specific and current understandings of power, ritual, and the human body, as suggested through the disciplines of Art History and Visual Culture, will be key. **4**

Modern Art and Visual Culture (AHVC-111) An introduction to the Art and Visual Culture of the Modern Age. This course examines the wide range of visual production of the Modern Age primarily in Europe and North America. It examines the concepts of the Modern, Modernity and Modernism. The class is taught through the lenses and using the methodologies of both Art History and Visual Culture, operating on the assumption that the nineteenth, twentieth and twenty-first centuries are the age of visual culture. Thus, the class discusses both elite art and the rising popular culture. **4**

African Art and Visual Culture (AHVC-121) This course examines the diverse arts and visual culture of Africa. The scope of this course ranges from pre-colonial to contemporary times, considering a selection of objects, concepts, and practices from across the continent. The subjects we learn about in this class take a variety of forms -- masks, sculptures, architecture, body decoration, painting, photography, film, and exhibitions -- all of which are important resources used by people to shape their lives and social worlds. The course is designed to provide you with an introduction to these art forms and the various socio-cultural, historical, critical, and aesthetic platforms from which they operate. For instance, selected objects, concepts, and practices will be discussed in the context of power relationships, constructions of gender, and the negotiation of tradition

and modernity. Additionally, we will explore some of the key theoretical issues in the portrayal and interpretation of art and visual culture from this world area. This course is a Writing Intensive Seminar and students will complete three formal writing assignments and participate in writing workshops to develop their skills as writers. **4**

Asian Art and Visual Culture (AHVC-131) An introduction to the art and visual culture of India, China, Japan and Southeast Asia focusing on historical, religious and social issues and the function of both art and visual culture. **4**

Introductory Topics in Art (AHVC-199) A general category used only in the evaluation of transfer credit. **1-4**

Classical Art and Architecture (AHVC-201) This course is an introduction to the art and architecture of Greece and Rome. Visual and spatial practices of religion and politics will be examined, focusing on Classical Athens and on Rome during the Late Republic and Early Empire. Selected works of art and architecture, and specific urban and exurban sites will be considered. Issues surrounding 'classical' forms and their subsequent role in Western art and architecture will be investigated. **4**

Early Renaissance Art and Architecture (AHVC-203) This course is an introduction to the art, architecture, and selected patterns of urban development in Italy during the Early Renaissance and the Quattrocento. Focus will be on developments in Siena, Rome, and especially Florence. Issues surrounding 'classicism' and the development of new representational systems, new scales and materials in sculpture, new spatial and structural forms in architecture, and new relations to urbanism and centers of power and global expansion will be explored. **4**

High Renaissance and Baroque Art & Architecture (AHVC-204) This course provides an introduction to the art, architecture, and selected patterns of urban development Rome during the High Renaissance, Mannerism, and the Baroque era through the papacy of Alexander VII (1655-67). Developments from ca. 1450 on in Rome leading to Julius II and the Roman High Renaissance will be a prime focus. Consideration of Mannerism, the Council of Trent and early Baroque visual and architectural forms (later 16th century) will lead to the second focus on 17th century visual and spatial practices in Counter-Reformation Rome and beyond. **4**

Special Topics in Ancient to Baroque Art History (AHVC-210) **4**

History of Photography (AHVC-211) An introduction to the history of photography from its inception in 1839 to the present day. The class focuses specifically on the multivalent functions of photography in society globally, the theoretical and conceptual bases of its production, consumption and on the critical analysis of photography as a field of art production. **4**

American Art (AHVC-212) An introduction to American Art and Visual Culture of the American colonies and the United States from the Early-Colonial Period to the beginning of World War II. The class focuses specifically on how Art, Popular Culture and Mass Culture function in the visual culture of the United States until 1939. **4**

Special Topics in Modern Art History (AHVC-220) **4**

Representing Africa on Film (AHVC-222) An examination of ethnographic/documentary film dealing with Africa as well as contemporary cinema produced by African filmmakers. This class accords particular attention to the perspectives of African filmmakers as agents in the representation of cultures, social realities and histories in Africa. **4**

Arts of Oceania (AHVC-223) An examination of the diverse arts and cultures of the South Pacific. This course focuses on objects, concepts and practices from Polynesia, Melanesia, Micronesia and Australia as well as the portrayal and interpretation of arts from this geographical region in other areas of the world. **4**

Arts of Post-Colonial Africa (AHVC-225) This course examines selected issues and debates related to the production, interpretation and collection of visual arts in post-colonial Africa. By way of a series of case studies, we will consider both the individual voices of artists and perspectives from art world information brokers. **4**

Special Topics in African Art History (AHVC-230) 4

Art of Japan (AHVC-231) An introduction to Japanese architecture, sculpture, painting and the decorative arts from prehistoric times to the 20th century, with an emphasis on the works in their cultural and religious context. **4**

Art of China (AHVC-232) This course is an introduction to Chinese visual culture from prehistoric times through the Mao era. Organized around a selection of key objects and images, this course explores a variety of art forms from China through diverse contexts such as ritual, gender, imperial patronage, literati ideals, and political icons. **4**

Special Topics in Art History and Visual Culture (AHVC-240) 4

Special Topics in Art History and Museum Studies (AHVC-262) 4

World Views: Spatial Imagination in East Asia (AHVC-263) This course engages the question: 'How are images used to imagine our place in the world?' Students are invited to study fascinating practices of spatial image-making in East Asia from the inside out, by exploring these world-views from the perspective of their makers. You will be asked to pay special attention to how social and economic power structures inflect these representations: to envision and decode spatial imagery as a site of imagination, control and resistance. Artists and patrons in China, Japan, and Korea have for centuries produced elaborate maps and landscape imagery, photographs and film to imagine the world in a variety of ways. This course invites you to approach modern and contemporary representations of space in East Asia both in theoretically and historically informed ways. In the first part of the course, students build a frame of reference for their analysis of post-war case studies, by reading core texts in spatial theory, and exploring important visual representations of space from pre-modern East Asia. In the second part of the course, students apply these theoretical and historical approaches to select cases that exemplify more recent struggles over space and its imagination in East Asia. **4**

19th Century Art History and Visual Culture (AHVC-281) This class explores the nature, character, implications and power of the avant -garde and academic art theory and practice in art societies. It analyzes the many layers of political, cultural and social meanings of art in the nineteenth century, as well as its artistic meanings, purposes, effects and agendas. Some topics to be examined include the neoclassical, the romantic, the ideal, Realism, Impressionism, and Post-Impressionism. **4**

Intermediate Topics in Art (AHVC-299) 1-4

Medieval Art and Architecture (AHVC-302) This course is an advanced investigation of art and architectural developments in the Latin West and Byzantine East during the medieval period. Selective foci include western monastic art, building, and lay patronage in Spain, France, and Burgundy during the Romanesque and early Gothic periods, as well as eastern monasticism in Constantinople, Greece, and Asia Minor in the Middle Byzantine period. Issues unique to each cultural sphere will be considered, such as feudalism in the West, and the icon and the role of the Imperial family and Constantinopolitan aristocracy in the East. **4**

New Art (Late 20th/21st Century) (AHVC-313) This advanced-level class examines Art and Visual Culture since 1980, mostly in the western world, but increasingly globally after 2000. The class explores the intellectually complex, multivalent and frequently socially and politically engaged art of today, focusing on its conceptual platforms, agendas, meanings, purposes, and effects. The course examines an increasingly pluralistic and global art world through the lenses of both Art History and Visual Culture, and it explores the museum as a contested site. **4**

Visual Life in African Cities (AHVC-324) An advanced level course. Cities in Africa, like their counterparts elsewhere in the world, are intensely -- perhaps even unrelentingly - artistic environments. In Dakar as in Nairobi, in Johannesburg as in Lagos, the urban terrain's unparalleled resources enable myriad artistic phenomena including paintings and sculptures, modernist architecture and public monuments, sartorial expression, as well as print and electronic media such as cartoons, advertisements, video, television, the internet, and popular music. In this seminar style course, students will investigate the artistic propositions and creative resources constituting the urban environment in Africa by way of a series of case studies. **4**

Art and Revolution in 20th Century China (AHVC-333) This advanced-level course examines the complicated relationship between art and politics in China through key debates and developments in Chinese visual culture during the 20th century. The class explores competing narratives that negotiate the tensions between "tradition and modernity," "East and West," "local and global" and their implications for revolutions in art. Particular attention will be paid to interrogating the ideological underpinnings of artistic mediums and formats, the historiographical stakes of modernity, and the assertion of cultural memory in art and text. **4**

Directed Study (AHVC-361) For the student of marked creative ability who wishes to pursue advanced subjects not otherwise listed, such as design, drawing, graphics, ceramics or history and criticism. **1-4**

Directed Study (AHVC-362) For the student of marked creative ability who wishes to pursue advanced subjects not otherwise listed, such as design, drawing, graphics, ceramics or history and criticism, **1-4**

Independent Study (AHVC-363) **1-4**

Independent Study (AHVC-364) **1-4**

Methods of Art History and Visual Culture (AHVC-380) This class is required for Art History and Visual Culture majors. This class is the first of the three-part capstone experience for the Art History and Visual Culture major. It introduces students to the theoretical and methodological platforms of Art History and Visual Culture and examines the historical development of the fields of both Art History and Visual Culture. It introduces students to the methods and theoretical approaches of practicing scholars in the field and asks students to formulate their own platforms, which they will translate into active research in the second and third capstone courses (ARTH 408 and 409). **4**

Advanced Topics in Art (AHVC-399) A general category used only in the evaluation of transfer credit. **1-4**

Art History and Visual Culture Senior Seminar: Research (AHVC-408) In this required course, senior majors will research and prepare the senior thesis. **4**

Art History and Visual Culture Senior Seminar: Writing (AHVC-409) In this required course, senior majors will present their senior thesis during our annual senior symposium. **1**

Senior Research (AHVC-451) **4**

Senior Research (AHVC-452) **4**

Art Studio

Faculty

Associate Professor Ronald Abram, Chair

Associate Professors Ronald Abram (chair), Micaela Vivero and Sheilah A. Wilson; Assistant Professor Keith Spencer; Visiting Professor; Blake Turner, Visiting Assistant Professors Chris Domenick, Em Rooney, and Britny Wainwright; Academic Administrative Assistant Dyan Couden; Visual Resource Curator Jacqueline Pelasky; Ceramic/Sculpture Technician Stanley Wrzyszczyński

Departmental Guidelines and Goals

In Studio Art we foster independent and creative thought, emphasizing art-making as a means of thinking about not only oneself, but our relationship to the world of ideas from multiple perspectives. We offer two degree programs in Studio Art, a bachelor of arts (BA) and a bachelor of fine arts (BFA). Both degree programs emphasize individuality, interdisciplinary work, collaboration and community. We encourage the fluidity of learning and see art as a bridge to all areas of study and research. The BA and the BFA prepare students in different ways for a variety of post-graduate pursuits, be it graduate school or professional endeavors in art and related fields. Students who plan to major in Studio Art are strongly advised to seek an advisor in Studio Art at the time of their decision to major. Studio Art majors are required to take a series of core courses and students need to work closely with advisors to complete these core courses by end of the first semester in their junior year. Students should expect to work two hours per week outside of class for each credit hour of a course. For students to whom off campus study is an option, we transfer up to 4 courses from an off-campus study experience towards the major, pending approval from the Chair.

Studio Art Major (B.A.)

Our BA students are encouraged to connect their Studio Art major with the curriculum of the college to realize individual approaches to Studio Art that are interwoven with science, social science, humanities and/or other fine arts disciplines. A total of 48 credit hours are required, with ten courses coming from Studio Art and two courses from Art History and Visual Culture, or alternatively, one course from Art History and Visual Culture and one course from Philosophy (see description below).

12 courses (48 Credit Hours) total: 10 Studio Courses: 4 core courses to be completed by the end of first semester Junior Year: Arts 101 OR Arts 110 (or 170), one 2D course, one 3D course and one Time-based course (such as photo, video, performance art, animation or a web-based studio course). One 200 level studio elective. One semester of Junior Critique.

Senior Year: ARTS 401 plus a 300-level studio course or independent study in the fall semester, Senior year; ARTS 401 plus a 300-level studio course or independent study in the spring semester, senior year. (Senior BA Studio Art majors are required to take the Visual Arts Practicum ARTS 401 during each semester of the senior year in conjunction with either a 300-level course or an independent study in an area of studio concentration. All 300-level courses are repeatable.)

Art History and Visual Culture/Theory Courses: Art History and Visual Culture/Theory electives should be determined in consultation with the student's advisor. Students may choose any two Art History and Visual Culture courses, or one Art History and Visual Culture course, and PHIL 269: Philosophy of the Arts: Aesthetics, to fulfill this requirement

All Studio Art majors (B.A. and B.F.A.) are required to participate in the group Senior Exhibition and are required to give a Gallery Talk in conjunction with the Senior Exhibition.

Studio Art Major (B.F.A.)

Students pursuing a BFA degree should discuss their intentions with a member of the Studio Art faculty as soon as possible. Students are required to apply to the BFA program in the first semester of their Junior year by presenting artwork made at Denison in an exhibition with fellow applicants. Prospective BFA candidates will then be required to meet at the exhibition with the Studio Art faculty for a discussion of their work and their reasons for pursuing the BFA degree. Upon acceptance into the BFA program, the department will notify the Registrar. BFA students are also subject to periodic review of their studio work by the Studio Art faculty. A total of 72 credit hours are required, with a minimum of fourteen courses coming from Studio Art and three courses from Art History and Visual Culture. Students may then choose one more elective from either Studio Art, Art History and Visual Culture or PHIL-269: Philosophy of the Arts: Aesthetics.

18 Courses Total: Five core courses to be completed by the end of 1st semester Junior Year: ARTS 101, ARTS 110 (or 170), one 2D course, one 3D course and one time-based course (such as photo, video, performance art, animation or a web-based studio course). One semester of Junior Practicum. five electives: two 200 level studio electives, one 300-level studio elective or independent study and one more 200 or 300-level elective or directed study. The final elective may come from either Studio Art, AHVC or PHIL-269: Philosophy of the Arts: Aesthetics.

NOTE: ARTS 110/170 cannot be used to fulfill the 2D course requirement for the BFA.

Senior Year: ARTS 401 plus ARTS 451 – senior research in the fall semester Senior year. ARTS 401 plus ARTS 452 – senior research in the spring semester, Senior year. (Senior BFA Studio Art majors are required to take the Visual Arts Practicum ARTS 401 during each semester of the Senior year in conjunction with one year of senior research that will culminate in a solo or 2-person exhibition and an oral defense with a committee of 3 faculty "readers"). BFA candidates are required to meet with each committee member at least twice over the course of their Senior year before the final defense, which takes place in the exhibition. Students are also required to produce their own written catalog/extended artist statement as part of their exhibition, articulating their thesis and key elements of their process.

Art History and Visual Culture/Theory Courses: Art History and Visual Culture/Theory courses should be determined in consultation with the student's advisor. Students may choose any three Art History and Visual Culture courses.

BFA students follow the college-wide General Education course requirements.

All Studio Art majors (B.A. and B.F.A.) are required to participate in the group Senior Exhibition and are required to give a Gallery Talk in conjunction with their BFA solo Senior Exhibition.

Studio Art Minor

A minimum of six courses (five in Studio Art and one in Art History and Visual Culture) should be taken as follows: ARTS 101, four elective Studio Art courses (one elective must be a 200-level Studio course), and one AHVC or Art Theory course.

Course Offerings

Studio Art Foundation (ARTS-101) Directed at both majors and non-art majors, Studio Art Foundation (SAF) is a basic introduction to artistic practice in contemporary culture. Through an interdisciplinary approach and a technical understanding of multiple mediums, the course crosses borders between two-dimensional, three-dimensional and time based artistic disciplines. Campus wide events (lectures, concerts, exhibitions) are used as points of departure in the class to emphasize the critical nature of art making with other content areas of study, theory and research. **4**

Introduction to Drawing (ARTS-110) A studio course in the fundamentals of drawing in several media. Problems in still life, rendering, and perspective will be covered, along with historical and contemporary approaches to drawing. **4**

Introduction to Painting (ARTS-115) Historical and contemporary approaches to painting technique will be covered in readings and discussions and by working with painting materials. **4**

Introduction to Photography (ARTS-117) An Introductory course concentrating on: the fundamentals of operating a digital single lens reflex camera (SLR), editing software -- Adobe Lightroom and Photoshop, and output to large format printers. Technical understanding of camera and editing software, lectures on historical context and contemporary practice, as well as readings serve to encourage students to explore photography as a way to look, question and record personal experience through the medium of photography.

4

Introduction to Ceramics (ARTS-121) A broad introduction to all ceramics potential. Clay working in sculptural as well as vessel-oriented directions. Slide presentations and discussions with references made to ceramic history as well as to contemporary ceramic art. Students are introduced to a variety of hand building techniques and are encouraged to pursue their individual creative potential. **4**

Introduction to Ceramics - The Wheel (ARTS-122) An introduction to producing Ceramic forms, both utilitarian and sculptural, using the potter's wheel. Image presentations and discussions will introduce students to the contemporary and historical role of ceramics in art and material culture. Students are introduced to a variety of throwing techniques and surface treatments and are encouraged to pursue their individual creative potential. **4**

Introduction to Printmaking (ARTS-131) As a foundation course, emphasis will be on historical and contemporary concepts in art through the media of printmaking. The course will provide exposure to print-making processes with direct involvement in one of the following: intaglio, screen printing and relief. Tools, materials and techniques will be fully covered regarding the featured printmaking process. Art issues such as format and content of visual images will be stressed as well as technical procedures for implementing the print. **4**

Introduction to Sculpture (ARTS-141) This course is an introductory course into sculpture. It will concentrate on developing sculptural thinking and working habits, the safe use of basic tools, understanding ways of seeing and the translation of experience into an arts practice. **4**

Special Topics in Studio Art (ARTS-165) Special topic courses with a focus on particular aspects of studio art at the introductory level. **4**

Introduction to Drawing for Majors (ARTS-170) A studio course in the fundamentals of drawing in several media. Problems in still life, rendering, and perspective will be covered, along with historical and contemporary approaches to drawing. **4**

Introductory Topics in Art (ARTS-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Drawing (ARTS-210) Continued experience in drawing with emphasis on contemporary techniques. Prime objective is increased capacity for responsive seeing and a deeper understanding of drawing as a total medium. Prerequisite: ARTS 110 or consent. **4**

Life Drawing (ARTS-211) Study from the human figure in charcoal and other media with emphasis on structure in line, value and color. Prerequisite: ARTS 110 or consent. **4**

Life Drawing (ARTS-212) Study from the human figure in charcoal and other media with emphasis on structure in line, value and color. Prerequisite: ARTS 110 or consent. **4**

Queer Graphix (ARTS-213) Through a series of drawing and printmaking projects, this studio art course seeks to explore and creatively express queer culture, aesthetics and GLBT art history, as well as notions of identity, gender, orientation and sexuality. Art students will employ traditions of journalistic comics, collage, screen-printing, photo-copies, community collaborative artistic work (zines) and research presentation projects to not only celebrate queer artistic practices but also reveal the often damaging impact society and politics has on self-identity and expression. **4**

Intermediate Painting (ARTS-215) Continued painting experience with emphasis on developing individual concepts. Prerequisite: ARTS 115 or consent. **4**

Intermediate Photography (ARTS-217) A continuation of ARTS 117, Intermediate Photography is taught in a rotational manner, in order to give students a wide variety of depth of exploration in materials and skills in Alchemy and Darkroom Practice, Studio Lighting, Lightroom and Photoshop Manipulation and Output, Still Life as Form and Content, and Fashion Photography 1950's - 80's. **4**

Ceramic History and Contemporary Practice (ARTS-220) The history of ceramics very closely parallels the development of civilization and culture across the planet. In this studio course, students will draw upon this long, rich history as inspiration for their own work and gain a deeper understanding of the context in which they and other contemporary artists are creating ceramic art. The primary emphasis of ceramic history and its impact on contemporary practice will be explored through image presentations, research, discussions and studio work. Students will use a variety of construction techniques and surface treatments to transform their ideas and research into objects and are encouraged to pursue their individual creative potential. No prerequisites. **4**

Intermediate Ceramics (ARTS-221) Students will hone the skills gained in previous ceramic courses and will focus on refining the application of learned techniques to produce visually and conceptually compelling work. Image presentations and discussions will lead to a deeper understanding of contemporary and historical ceramic art. Students will gain experience in different firing technologies and clay and glaze chemistry. Primary emphasis is on students' individual conceptual and technical development. Prerequisite: ARTS 121, ARTS 122 or Ceramic Multiples. **4**

Contemporary Comics (ARTS-222) This Studio Art course will examine the relationship of words and pictures through the study and making of autobiographical and nonfiction comics. As other Studio Art courses examine the disciplines of photography, ceramics, sculpture or painting through experiential learning, so too will students realize the potential of this discipline to reveal their creative selves through its unique visual language. Placing practice in context, comics history will be explored with the emphasis on contemporary cartoonists and graphic novelists as artists focused on relevant first person narrative storytelling and comics journalism. Traditional techniques of layout, design and storyboarding will be included along with drawing and writing exercises. Course projects will extend technical exercises to address content concerns through in-class workshops, presentations on cartoonists, critiques, field trips and a range of short and long outside projects that will gradually build to more ambitious creative comic undertakings by semester's end. No previous studio art or drawing experience is required. **4**

The Ceramic Surface (ARTS-223) In this studio course students will explore the numerous options for surface expression in ceramic art making. One of clay's unique properties is the ability to faithfully record impressions in its surface - from the fingerprint of a potter to patterned designs stamped into the surface. Today, mark making on clay has caught up with technology, incorporating digital processes into the roster of print technique possibilities. Students will learn to make their own glazes, effectively use slips, glazes,

china paints, lustres, print-transfers, photo-decals and alternative firing techniques. Students will explore the relationships between content, form and surface through the creative process, group critiques, readings, image presentations and discussions. Prerequisite: A Denison University ceramic course or consent of instructor.

4

Ceramic Multiples (Ceramics From Molds) (ARTS-224) In this studio course students learn to create ceramic objects using plaster molds, how to make casting slip, and the basics of kiln firing. We will explore the relationship between Art, Design, and Craft, and students will be encouraged to push the boundaries of where these categories begin and end. Producing ceramic objects from molds allows for greater refinement of the object, unlimited possibilities of form and the potential of creating multiple replicas or variations on one form. Because of inherent associations with industry, technology, and mass-production, objects produced from molds offer unique conceptual possibilities that students will pursue through the creative process, group critiques, readings and discussions. Prerequisite: Any Denison University Studio Art course or consent of the instructor. **4**

Intermediate Printmaking (ARTS-231) Students may work with any printmaking processes in which they have had experience or with the consent of instructor. Processes available to Printmaking II students include: relief, lithography, intaglio or screen printing. Emphasis will be on continued technical and conceptual development. Prerequisite: ARTS 131 or consent. **4**

Installation/Site-Specific Art (ARTS-240) In installation art the space is considered like the blank sheet of paper of a drawing. Its goal is the transformation of spaces through the use of objects, images, color, etc. Site-specific art is art that is created in a certain space, where the place is part of the work and adds meaning to it. This Installation/Site-Specific Art studio class will focus on creating objects that will transform a variety of architectural spaces. **4**

Intermediate Sculpture (ARTS-241) This course focuses on the search for art practices. The students have to develop projects starting out with specific themes that are discussed by the group, but the end product is personal depending on the individual conceptual and aesthetic development. **4**

Mixed Media Sculpture (ARTS-243) Combining theory and practice in the sculpture studio, this topical intermediate sculpture course focuses its central objective around an overarching relevant interdisciplinary theme that varies per semester. Along with theoretical readings and presentations, a series of sculpture projects will be developed by each student to explore the selected research theme created with a range of techniques and materials. Course materials may include plaster, wax, fabric, found objects, wood, and metal. The works will acquire meaning based not only on the form, but also on the material the work is made out of and its connotations. Importance will be given to the investigation on the theme, to the process of sculptural creation and to the end products, the final sculpture. **4**

Fiber Arts (ARTS-244) This studio art course is an introduction to the basic expressive potential to create two- and three-dimensional works. The use of natural and/or artificial materials will be introduced and a combination between structural and non-structural materials, to make the composition work as an image, object or installation. The artworks created will be the result of an analytic process guided by information acquired, the interpretation of that information and experiences lived by each participant of this class. **4**

Special Topics in Studio Art (ARTS-264) **4**

Special Topics in Studio Art (ARTS-265) **4**

Performance Art (ARTS-267) This studio art course will focus on processes of creating and executing actions that may have an artistic content. In this course the participants will generate actions that will be

performed. Prior to the execution of artistic actions the participants will be exposed to a wide range of artistic performances. We will be working on the approach to art practices from the production of meaning and the relationship between art and life. The main objective is to use actions as a way of discovering arts practices. This course fulfills the Oral Communication general education requirement and a Fine Arts Division requirement. **4**

Intermediate Topics in Art (ARTS-299) A general category used only in the evaluation of transfer credit. **1-4**

Introduction to Animation (ARTS-308) Animation is the illusion of motion created by the consecutive display of slightly varying drawings or models of static elements. In this course, students we learn the fundamentals of traditional animation techniques, as well as cover many aspects of the more experimental contemporary forms of stop-motion animation processes. Students will be given several animation "studies" over the course of the semester that will offer them experience with different types of stop-motion and computer key-framed techniques, as well as experience in story-boarding, sound recording, character movement and rig development, and post digital effects work. In addition to workshop projects, students will be exposed to outside readings and film viewings. **4**

Advanced Drawing (ARTS-310) Continued drawing experience with emphasis on developing individual skills, concepts and expression. Prerequisite: ARTS 210 or consent of instructor. **4**

Advanced Painting (ARTS-315) Continued painting experience. Prerequisite: ARTS 115 or consent of instructor. **4**

Advanced Photography (ARTS-317) An Advanced class that will focus on developing a portfolio of work. Students will be introduced to large format cameras, and the lighting studio will be used for specific technical assignments. Readings and lectures will provide a basis for dialogue as students develop their own lineage of influence and make photographic work that speaks to their own interests and questions. Prerequisite: ARTS 117 and 217. **4**

Advanced Ceramics (ARTS-321) This course requires a working knowledge of the ceramic process. Students work in depth, developing a personal approach to the medium, acquiring greater competency in terms of concept and technique. Prerequisite: ARTS 121, 221 or consent of instructor. **4**

Advanced Printmaking (ARTS-331) Students may work with any printmaking process in which they have had experience or with the consent of instructor. Processes available to Printmaking III students include: relief, lithography, intaglio or screen printing. Experimentation and innovation, both conceptually and technically, will be stressed for the advanced student. Prerequisite: ARTS 231 and 232. **4**

Advanced Sculpture (ARTS-341) Continued sculpture experience with emphasis on developing individual skills, concepts, and expression. Prerequisite: ARTS 241 and 242. **4**

Junior Arts Practicum (ARTS-345) Through independent project work, readings, oral presentations, and individual/group discussions, this course will focus on the universal studio practice of critiques to further develop student skills to describe, analyze, interpret and understand their own artwork and its goals as well as the work of others. Students will also pursue research throughout the semester to make important connections between their creative practice and the art historical/theoretical context in which they work. This course is required for all studio art majors. **4**

Directed Study (ARTS-361) For the student of marked creative ability who wishes to pursue advanced subjects not otherwise listed, such as design, graphics, or history and criticism. **1-4**

Astronomy

Directed Study (ARTS-362) For the student of marked creative ability who wishes to pursue advanced subjects not otherwise listed, such as design, graphics, or history and criticism. **1-4**

Independent Study (ARTS-363) **1-4**

Independent Study (ARTS-364) **1-4**

Advanced Special Topics (ARTS-365) Special Topic courses with a focus on particular aspects of studio art at the advanced level. **4**

Advanced Topics in Art (ARTS-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Art History Project (ARTS-400) Studio, B.A., B.F.A. **3**

Visual Arts Practicum (ARTS-401) Theory and creative practice in selected areas of the visual arts. Majors are required to enroll in the Visual Arts Practicum twice in their senior year in conjunction with a 300-level course in their area of specialization. This class is for Studio Art majors only or by permission of instructor. **4**

Senior Research (ARTS-451) **4**

Senior Research (ARTS-452) **4**

Astronomy

Faculty

Professor N. Daniel Gibson, Chair

Professors Steven D. Doty, N. Daniel Gibson, Daniel C. Homan, C. Wesley Walter; Associate Professors Kimberly A. Coplin, Riina Tehver; Assistant Professors Melanie Lott, Steven M. Olmschenk; Technician/Machinist David Burdick; Academic Administrative Assistant Beth Jeffries

Departmental Guidelines and Goals

Astronomy 100 is a course in Descriptive Astronomy, designed explicitly for the non-physics major student, and may be used to satisfy one course of the science division requirement. The student who desires preparation for graduate work in Astronomy, Astrophysics, or Space Physics should pursue a major in Physics with a minor in Astronomy and is encouraged to consult early with faculty in the Physics and Astronomy Department. See Physics Department section.

Astronomy Minor

Minimum requirements for a Minor in Astronomy are Physics 125 or 200, 126, 127, 220, 305, 306 and 312; Astronomy 100, at least two upper division Astronomy courses totaling 4-8 credits, and Mathematics 123 and 124. (Students who have taken Physics 121-2 should consult with the Chair about requirements.) The experimental course, Physics 312, may be modified to reflect the student's interest in Astronomy. Students should consult with the Department chair about the requirements. Early consultation with the Department is strongly advised. See the Physics Department section of the catalog.

Course Offerings

Current Topics in Astronomy (ASTR-100) This course is designed primarily for the non-physics major student who wishes to better understand the nature of the universe. Topics will be chosen from such areas as the history of astronomy, naked eye observations, the planets and moons, the origin of the solar system, stellar classification, stellar evolution, galactic astronomy, and cosmology. Course and laboratory work will explore the physical and observational background for these topics with an emphasis on the quantitative nature of modern astronomy. Two or three lectures per week; one two-hour laboratory each week. This course satisfies the quantitative reasoning general education requirement. No previous training in physics is required, however mathematical preparation is assumed to include high school algebra and trigonometry. **4**

Introductory Topics in Astronomy (ASTR-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Topics in Astronomy (ASTR-299) A general category used only in the evaluation of transfer credit. **1-4**

Special Topics in Astronomy (ASTR-311) This course is to provide qualified students with the opportunity to pursue experimental and/or theoretical work in one or more of the areas of Modern Astronomy. Prerequisite: PHYS 122 or 127, and PHYS 200 concurrent or consent. **4**

Special Topics in Astronomy (ASTR-312) This course is to provide qualified students with the opportunity to pursue experimental and theoretical work in one or more of the areas of Modern Astronomy. Prerequisite: Junior standing or consent. **4**

Advanced Topics (ASTR-340) Independent work on selected topics at the advanced level under the guidance of individual staff members. May be taken for a maximum of four semester hours of credit. Prerequisites: Junior standing and consent of chairperson. **1-2**

Directed Study (ASTR-361) Prerequisite: Consent of chairperson. **1-4**

Directed Study (ASTR-362) Prerequisite: Consent of chairperson. **1-4**

Independent Study (ASTR-363) **1-4**

Independent Study (ASTR-364) **1-4**

Advanced Topics in Astronomy (ASTR-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Research (ASTR-451) Prerequisite: PHYS 312 or consent of chairperson. **4**

Senior Research (ASTR-452) Prerequisite: PHYS 312 or consent of chairperson. **4**

Biology

Faculty

Associate Professor Christine L. Weingart, Chair

Professors Eric C. Liebl, Tom D. Schultz, Geoffrey R. Smith; Associate Professors Warren D. Hauk, Rebecca N. Homan, Clare C. Jen, Andrew C. McCall, Jessica E. Rettig, Heather J. Rhodes, Laura A. Romano, Jeffrey S. Thompson, Christine L. Weingart, Lina I. Yoo; Assistant Professors Cristina Caldari, Ayana Hinton; Visiting Assistant Professors Pedro Torres, Qiongqiong Zhou (Angela) Zhou; Academic Administrative Assistant Jenny Etz; Lab Manager/Bioreserve Manager Whitney Stocker; Laboratory Specialist Hannah Roodhouse

Departmental Guidelines and Goals

The Department of Biology endeavors to provide a comprehensive foundation in concepts and skills across the breadth of biology. This is achieved in part through an introductory core of three courses that prepare students for a deep exploration of sub-disciplines and research methods through subsequent advanced courses. The core covers the major concepts of biology, encompassing an exploration of the natural history of life on Earth, coupled with the basic skills of acquiring and processing information, solving problems, and analyzing data. Our program then allows students the flexibility to explore specific areas of biology in depth through a suite of advanced courses in which they can expand and apply their knowledge and skills.

The major prepares students for careers in science and related fields, as well as graduate and professional schools (including pre-medical, pre-dental and pre-veterinary studies), while allowing students the flexibility to design the program that best suits their specific interests and career goals. In addition, biology majors are offered the opportunity to collaborate with faculty in research and laboratory instruction, to present exceptional work at professional meetings, and to assist in the maintenance of the 350-acre Biological Reserve and other departmental facilities. Information on studies in Medicine, Dentistry, Veterinary Science, and Environmental Management and Forestry is provided in the Pre-Professional Programs section of the catalog.

Writing is an integral component of science, and as such, the Biology Department understands that the development of writing skills is essential for all students who pursue the study of biology. The goal for our students is that they emerge as strong writers, able to construct cohesive bodies of written work in which they express clear, concise and logical arguments, supported by empirical evidence and/or information from appropriate sources. A developmental model of writing skills is tightly woven into the biology curriculum to achieve this goal. Our major core curriculum establishes the foundation of good writing practices. Basic grammatical expression is addressed in BIOL210, while BIOL220 focuses on understanding the format of biological literature, culminating in BIOL230, where students write multiple full-length papers. Taken sequentially, BIOL220 and BIOL230 serve as one of the W requirements for general education. In our advanced curriculum, students continue to explore more sophisticated levels of writing, including employing distinct disciplinary conventions and engaging with different genres applicable to biological writing. Students who undertake a senior research project write a comprehensive thesis of their work (counting as an additional W requirement), putting into practice the many writing skills that they have developed throughout the curriculum.

Biology Major

Requirements for Biology Majors Students can pursue either a B.A. or B.S. degree in Biology (distinctions between the two degrees are outlined below). For either degree, students should aim to complete the three Biology core courses by the end of their second year: Molecular Biology and Unicellular Life (210), Multicellular Life (220), and Ecology and Evolution (230). Students who have completed comparable course work

at other accredited institutions may petition to have such courses transferred to Denison and credited toward the major, at the discretion of the department. In contrast, students with credit-earning scores on Advanced Placement (4 or 5) or International Baccalaureate (6 or 7) tests in Biology will be granted academic credit for BIOL100, but typically will be required to complete all three major core courses.

Majors must achieve a grade point average of 2.0 or higher across the three core courses (BIOL 210, 220, 230) upon completion of the core sequence before proceeding to 300-level elective courses. Students who do not meet the GPA requirement must repeat one or more core courses to achieve the standard; the highest grade awarded for any repeated core course will be exclusively used in calculating the “biology core GPA”, but all biology grades will be used to calculate the overall major GPA for graduation, as per university policy. This policy applies only to students pursuing a biology major; it does not apply to students pursuing the biology minor or other non-biology degrees.

The major additionally requires two semesters of introductory level chemistry (CHEM 131 and 132; grades of C or better are strongly recommended). CHEM 131 must be completed before undertaking 300-level electives, but CHEM132 can be taken concurrently.

Biology majors subsequently complete five 300-level advanced courses. Any combination of advanced courses may be taken, but one of these electives must be designated a “biological diversity” course (see description below). Advanced Senior Research (BIOL 452) is credited as a 300-level course, but Directed Study (BIOL 361, 362), Independent Study (BIOL 363, 364), and Senior Research (BIOL 451) are not counted as 300-level advanced courses toward the requirements for the major. Students are encouraged to consult with an advisor in the Biology Department in order to select the most appropriate suite of advanced courses.

Biology majors preparing for medical school or most graduate programs are additionally advised to take Intermediate Organic Chemistry (CHEM 251), and Biochemistry (CHEM 258), General Physics (PHYS 121-122), and two semesters of college-level math (e.g., Calculus (MATH 121,123,or 124) or Statistics (MATH 102)). These courses can count toward the “science cognate” requirement that is part of the B.S. degree (see requirements below).

Lastly, students majoring in Biology must satisfactorily complete Biology Assessment I (BIOL 300: core curriculum assessment exam taken during the term immediately following completion of the biology core) and Biology Assessment II (BIOL 301: senior interview; taken during the final semester prior to graduating) in order to fulfill the requirements for the degree.

Bachelor of Arts in Biology The requirements for the Bachelor of Arts degree in Biology include a total of ten courses: three biology core courses (BIOL 210, 220, 230), five 300-level biology courses (one of which must be a designated as a “biological diversity” course), and one year of introductory level chemistry (CHEM 131 and 132).

Bachelor of Science in Biology The requirements for the Bachelor of Science degree in Biology include a total of fourteen courses: three biology core courses (BIOL 210, 220, 230), five 300-level biology courses (one of which must be designated a “biological diversity” course), one year of introductory level chemistry (CHEM 131 and 132), and four “science cognate” courses. The science cognate requirement is the lone distinction between the B.A. and B.S. degrees, serving as a means for B.S. majors to become more broadly trained in the sciences. Any non-biology course within the science division will count toward this requirement, as will any environmental studies (ENVS) science course, or Applied Anatomy (PHED 204). Students are encouraged to select courses that “do” science, such as classes that include laboratory sections. No more than two courses within a single department or program can be used to fulfill this requirement (note that CHEM 131 and 132 do not count toward the cognate requirement, nor do they count toward the “two courses per department” stipulation).

Biology Minor

The requirements for the Biology Minor include a total of seven courses: three biology core courses (BIOL 210, 220, 230), three 300-level biology courses (one of which is a “biological diversity” course), and one semester of chemistry (CHEM 131). CHEM 131 must be completed prior to undertaking 300-level electives. Advanced Senior Research (BIOL 452) is credited as a 300-level course, but Directed Study (BIOL 361, 362), Independent Study (BIOL 363, 364), and Senior Research (BIOL 451) are not counted as 300-level advanced courses toward the requirements for the minor.

Additional Points of Interest

Biological Diversity Courses Courses that fulfill the biological diversity requirement emphasize the importance of scientific studies at the level of the whole organism. In these courses students gain a holistic perspective on the study of organisms, explore a variety of living forms through a broad survey of taxa, and evaluate the role of phylogenetic history in taxonomy. Students also use careful observation to learn morphology and diagnostic traits, identify organisms into meaningful taxonomic units, and learn the principles of scientific nomenclature. The biological diversity courses that are regularly offered include: Biodiversity Through Time (BIOL 308), Herpetology (BIOL 312), Vertebrate Zoology (BIOL 313), Diversity of Microorganisms (BIOL 317), Plant Systematics (BIOL 320), Plant Evolution & Reproduction (BIOL 326), Biology of Insects (BIOL 327), and Invertebrate Zoology (BIOL 336).

Off-Campus Study Students may complement their major in biology through off-campus study. Denison University is a member of several consortia that offer course credit through off-campus programs. Those with course offerings relevant to Biology students include: the School for Field Studies, the Organization of Tropical Studies, the Duke University Marine Laboratory, the Semester in Environmental Science, the Oak Ridge National Laboratory, the Institute for Study Abroad, Denmark's International Study Program, and the Associated Colleges of the Midwest Wilderness Field Station. The Department of Biology is committed to awarding credit for courses offered through these programs that provide a sufficient focus on biological concepts and methods (lecture and laboratory). With prior approval from the department, a maximum of two off-campus courses may be counted toward the requirements of the major. The Richard C. and Linda G. Seale Scholarship provides support to qualified Denison students for participation in summer courses at the Duke University Marine Laboratory. Financial aid may be available for other off-campus programs.

General Education Credit in Biology Students receive a lab science general education requirement by completing nearly any course offered by the Biology Department. While the 200-level courses are generally recommended for Biology and related majors, non-majors are welcome to take the initial biology major core course (BIOL210), and they can also consider taking one of our non-majors courses. The various versions of Modern Topics in Biology (BIOL 100: lab science GE; BIOL 103: lab science and quantitative reasoning GEs; and BIOL 104: lab science and oral communication GEs), and Biology and Politics of Women's Health (BIOL 110: lab science and oral communication GEs) are designed for students to explore scientific inquiry and biological concepts through specific topics in the instructor's area of expertise. In addition, students who have had extensive biology training in secondary school may petition the Biology department for BIOL 100 credit without General Education credit. However, such petitions must be made before the completion of the student's third year at Denison.

Advanced Placement Students with credit-earning scores on Advanced Placement (4 or 5) or International Baccalaureate (6 or 7) tests in Biology will be granted academic credit for BIOL 100. However, as noted above, students granted such AP/IB credit typically will be required to complete all three major core courses for the major.

Biology and Computational Science Students with an interest in both Biology and Computational Science may pursue a major in Biology with a concentration in Computational Science. Students interested in this option should refer to the description of the Computational Science concentration in the Computer Science section of the catalog, and should consult with a faculty member early in planning their Denison curriculum.

Biology and Environmental Studies Students with an interest in both Biology and Environmental Studies may pursue a major in Biology with a minor in Environmental Studies, or a major in Environmental Studies with a concentration in biology. Students are advised to choose the program path that best suits their post-graduate goals, and to seek early consultation with faculty in Biology and/or Environmental Studies. Specifics regarding these options can be found in the Environmental Studies section of the catalog.

Biology and Neuroscience Students with an interest in both Biology and Neuroscience may pursue a major in Biology with a concentration in Neuroscience. Students interested in this option should consult with a Neuroscience faculty member early in their career. Specifics regarding this concentration can be found in the Neuroscience section of the catalog.

Course Offerings

Modern Topics in Biology (BIOL-100) This course for non-majors is intended to promote scientific literacy. Topics will vary with the instructor, but each edition of the course will focus on a specific topic as a vehicle for exploring the essentials of biology and the scientific method. This course satisfies the G.E. lab science requirement. Biology 100 may not be counted toward the major in biology. Three class periods and one laboratory weekly. **4**

Modern Topics in Biology (BIOL-103) This course for non-majors is intended to promote scientific literacy and quantitative reasoning. Topics vary with the instructor, but each edition of the course will focus on a specific topic as a vehicle for exploring the essentials of biology and the scientific method. This course satisfies the G.E. lab science requirement as well as the quantitative reasoning requirement. Biology 103 may not be counted toward the major in biology. Three class periods and one laboratory weekly. **4**

Modern Topics in Biology (BIOL-104) This course for non-majors is intended to promote scientific literacy and oral communication. Topics will vary with the instructor, but each edition of the course will focus on a specific topic as a vehicle for exploring the essentials of biology and the scientific method. This course satisfies the General Education lab science requirement as well as the oral communication requirement. Biology 104 may not be counted toward the major in biology. Class meets for two (80 minute) or three (50 minute) periods per week plus a three-hour laboratory. **4**

Biology and Politics of Women's Health (BIOL-110) This course examines critical conversations in the biology, politics, culture, and history of women's health. The nation's greatest health issues include, but are not limited to, unmanaged chronic conditions (including cardiovascular health), environmental health risks and cancer, racial and ethnic health disparities, women's reproductive and sexual health, and the epidemic of obesity. Evaluating the complexities of these "women's health" issues involves both scientific literacy and socio-cultural literacy. This course provides a fundamental understanding of how biological system structures and functions are related, specific to the female human body. The laboratory component of this course familiarizes students with the scientific method, feminist theory in science, and methods in women's health research. This course promotes proficiency in oral communication through practice in a variety of formats that typically occur in biology and women's studies. Cross-listed with WGST 110. **4**

Introductory Topics in Biology (BIOL-199) A general category used only in the evaluation of transfer credit. **1-4**

Molecular Biology and Unicellular Life (BIOL-210) This course, the first of the three-course biology majors core sequence, is designed to introduce students to principles of molecular and cellular biology, with an examination of both prokaryotic and eukaryotic unicellular species. Major themes that will be covered include molecular origins of life, bioenergetics, the molecular basis of genetic expression, and cellular reproduction. Coursework will be designed to train students in the scientific method; finding, reading, and understanding scientific literature; analyzing data; and communicating scientific research in written and oral formats. A weekly laboratory period will allow students to learn cellular and molecular biology techniques and carry out independent group research projects. Three class periods and one lab session per week. Offered Fall and Spring semesters. This course satisfies the Quantitative Reasoning GE requirement. CHEM 131 is recommended as a co-requisite (but is not required). **4**

Multicellular Life (BIOL-220) Multicellular Life is the second of a three course sequence for biology majors, minors, and some affiliated majors. It is an exploration of how multicellular organisms have evolved and adapted to the challenges of life including acquiring energy, responding to stimuli, regulating the internal conditions for physiological process, and reproduction. Representative examples will be taken from the Kingdoms of plants, animals, and fungi. Imbedded throughout the course are many of the skills expected of practicing biologists including the ability to develop hypotheses and analyze and interpret data, the ability to present scientific data, scientific writing, and a familiarity with the scientific literature. This course also is a writing intensive class within Denison's Writing Program. As such, students will receive instruction on writing within the context of the biological sciences and have multiple opportunities to develop and improve their writing skills. In conjunction with the subsequent completion of BIOL 230, students will fulfill one of the W overlay GE requirements. Can be taken concurrently with W101, but BIOL 230 must be completed in the sophomore year or later to fulfill a W GE requirement. Prerequisite: BIOL 210 or consent of the instructor. Three class periods and one laboratory weekly. Offered Fall and Spring. **4**

Ecology and Evolution (BIOL-230) Ecology and Evolution, the third and final course in the biology major core sequence, covers the fundamentals of both ecology and evolution. Emphasis is placed on understanding how organisms function and interact at the population, community, and ecosystem levels, and on understanding the mechanisms of micro- and macroevolution. Labs are designed to give experience in scientific reasoning and critical thinking, as well as designing, conducting, analyzing, and presenting scientific research. This course also is a writing intensive class within Denison's Writing Program. As such, students will receive instruction on writing within the context of the biological sciences and have multiple opportunities to develop and improve their writing skills. In conjunction with the prior completion of BIOL 220 and W 101, students completing this course in the sophomore year or later will fulfill one of the W overlay GE requirements. Prerequisite: BIOL 210 and 220, or consent of the instructor. Three class periods and one laboratory weekly. Offered Fall and Spring. **4**

Minor Problems (BIOL-250) A research problem (library or laboratory) of limited scope which provides the opportunity for the qualified student to extend his or her interest beyond the limits of particular course offerings. Does not count toward minimal department requirements. **1 or 2**

Intermediate Topics in Biology (BIOL-299) A general category used only in the evaluation of transfer credit. **1-4**

Biology Assessment I (BIOL-300) A pass/fail course used to track all biology majors' completion of the required assessment exam covering the Biology core. Earning the required S (pass) in this course entails attending an information session explaining the exam and taking the assessment exam in good faith. Offered Fall and Spring semesters. **0**

Biology Assessment II (BIOL-301) A pass/fail course used to track all biology major's completion of the required senior interview. Earning the required S (pass) in this course entails attending an information session explaining the biology department's senior interview and completing the senior interview in good faith. Seniors enroll in BIOL 301 in their last semester at Denison. **0**

Biodiversity Through Time (BIOL-308) An introduction to the study of fossil invertebrates with emphasis on preservation, taphonomy, diversity trajectories through geologic time, evolutionary mechanisms, extinction, paleobiology and paleoecology. Special emphasis will be placed on using fossils to interpret ancient depositional environments. Labs will introduce the student to the major invertebrate phyla commonly preserved in the geologic rock record. Normally offered Fall Semester in alternate years. Biodiversity Through Time qualifies as a "biological diversity" course for the major. Prerequisite: GEOS 210 or BIOL core, and CHEM 131 and 132 (or concurrently), or consent of instructor. **4**

Computational Biology (BIOL-309) Computation has gained a strong foothold in modern biology. For example, DNA and peptide sequences are now routinely analyzed using computational methods to determine both function and phylogenetic relationships. In addition, computational molecular dynamics simulations are used to study protein folding and why proteins sometimes misfold, leading to disease. And ecological simulations are used to better understand the effects of environmental damage. This interdisciplinary course will explore this broad area, examining the biology and the computational methods behind problems like these. The laboratory portion of the course will involve students working together in multidisciplinary groups to design algorithms to investigate these problems, as well as undertaking a self-designed capstone project at the end of the term. Prerequisite: Biology core and an introductory computer science course (CS 109-112) or consent, and CHEM 131 and 132 (or concurrently). **4**

Wetland Ecology (BIOL-310) This course is a comprehensive study of wetland ecology, management, and policy. The main emphasis is on biological, chemical, and physical aspects of major wetland ecosystems found in North America. The course also deals with valuation, classification, and delineation of wetlands. A significant portion of the course focuses on local and regional wetland ecosystems: their history, ecology, and current status. Labs will be field-based explorations of the biology, chemistry, and ecology of these regional wetlands. Prerequisite: BIOL core or consent, and CHEM 131 and 132 (or concurrently). **4**

Herpetology (BIOL-312) Herpetology is the study of amphibians and reptiles, two diverse taxonomic groups that share the characteristic of being ectothermic vertebrates. This course will examine three main areas of herpetology: 1) the evolutionary relationships and biogeographical histories of these taxonomic groups, 2) comparative physiology, and adaptations of amphibians and reptiles to their natural environments, and 3) the ecology of the herpetofauna, as well as conservation issues, with a focus on amphibians. Emphasis will be placed on the critical reading of primary literature on both historical and current issues in herpetology, as well as on gaining hands-on experiences with amphibians and reptiles. Laboratories will include comparative studies of physiology and field studies of native Ohio amphibians and reptiles, making extensive use of the Denison University Biological Reserve. Herpetology qualifies as a "biological diversity" course for the major. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently). **4**

Vertebrate Zoology (BIOL-313) In this course we investigate the biology of vertebrates. In particular, we will be considering the many ways in which vertebrates interact with and respond to their environment, and thus this course will emphasize the evolution, ecology, and physiology of vertebrates. Laboratories will focus on the biology of local vertebrates, and will consist of field and laboratory exercises, as well as field research projects. We will make extensive use of the Denison University Biological Reserve. Vertebrate Zoology qualifies as a "biological diversity" course for the major and satisfies the Oral Communication requirement. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently). **4**

General Microbiology (BIOL-315) This is an introductory course in microbiology emphasizing the general structure, occurrence, habitats, and types of bacteria, viruses, and eukaryotic microbes. Mechanisms of pathogenicity and host defense strategies also are discussed. The course structure includes small group activities, student presentations, traditional lectures, and discussions of scientific literature. Laboratory emphasis is placed on the fundamental techniques of microbiology (i.e., staining, microscopy, and streak plating) and self-designed investigative labs. Students may either take General Microbiology (BIOL 315) or Diversity of Microorganisms (BIOL 317) during their academic career, but not both courses. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 210 or 201, and 220 or 150, and CHEM 331 (or concurrently). **4**

Virology (BIOL-316) Virology is a course that will examine the diversity of plant, animal, and bacterial viruses. Emphasis will be placed on topics such as molecular interactions between the host and virus, the genetics and chemical nature of viruses, and the replication strategies of viruses. This course also will examine how viruses cause disease, how they are used in biotechnology, and their overall impact on society. The structure of the course will provide peer learning activities, class discussions of primary literature, and traditional lectures. The structure of the laboratory will allow students to develop and test their own hypotheses while learning bacteriophage and tissue culture techniques. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors- BIOL 210 or 201, and 220 or 150, and CHEM 331 (or concurrently) **4**

Diversity of Microorganisms (BIOL-317) This course examines the remarkable environmental, physiological, and metabolic diversity of prokaryotic and eukaryotic microorganisms (i.e., bacteria, protists, algae, & fungi). More specifically, diversity will be studied in terms of taxonomy and phylogeny, the ability of species to live in various environments, and the application of genomics in diversity. Emphasis will be placed on the reading of primary literature, and on using that information to make connections with class material. The structure of the course includes traditional lectures, class activities, and student presentations. Diversity of Microorganisms qualifies as a "biological diversity" course for the major and minor. Students may either take General Microbiology (BIOL 315) or Diversity of Microorganisms (BIOL 317) during their academic career, but not both courses. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors- BIOL 210 or 201, and 220 or 150, and CHEM 331 (or concurrently). **4**

Plant Systematics (BIOL-320) In Plant Systematics students learn how major groups of vascular plants are classified, named, and identified. We study approximately 50 plant families concentrating on native representatives (using living plant material whenever possible), learn how to use keys and floras to identify local species, and learn how to find information about plants in traditional and electronic sources. Understanding evolutionary relationships among the families studied is a central theme. This course provides important background for students planning to do fieldwork in ecology, plant-animal interactions, environmental education, and related subjects. Plant Systematics qualifies as "biological diversity" course for the major. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and 202 or 230. **4**

Plant Ecology (BIOL-321) In this course we will explore how plants interact with their environments and with other organisms, including man. We will begin at the individual level, learning how plants obtain resources from abiotic sources and through mutualistic interactions with bacteria and fungi. We will also consider how the theories of plant community ecology developed in the early 20th century and why they are pertinent today. Students will also have the opportunity to read and critique primary literature from leading journals in the field. Finally, we will develop several projects to be completed at the Denison Biological Reserve during the term for lab projects. These projects will be student-inspired and driven, with the hopes that they will contribute to our understanding of our immediate surroundings at Denison. Prerequisite: Biology core

or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and 202 or 230.
4

Developmental Biology (BIOL-324) Every multicellular organism begins its life as a single cell. Developmental biology is the study of the progression from this single cell to a complex, multicellular organism. Recently the powerful tools of molecular biology have linked the fields of embryology and genetics to reveal how cells, tissues, organs, and organisms develop. Especially striking is the conservation of molecules and mechanisms that underlie developmental processes in different organisms. This course provides an overview of the major features of early embryonic development in animals, and the mechanisms (molecular mechanism when known) that underlie them. We focus on two major aspects of developmental biology: (1) How is the basic body plan established? How does the basic organization of the embryo arise from the fertilized egg? What are the cellular mechanisms underlying morphogenesis and the appearance of patterned structures in the embryo? (2) How do parts become different in the embryo? Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and BIOL 201 or 210, and CHEM 331 (or concurrently). 4

Genetics (BIOL-325) This course provides a detailed and up-to-date understanding of genetics, an appreciation of how genetics affects our lives everyday from the supermarket to the doctor's office, and a realization of the applications of genetics to virtually every discipline of biology. We focus on three major areas of genetics: (1) Molecular genetics: Thinking about genetics on the DNA level - everything from DNA sequencing to mutagen testing. (2) Mendelian genetics: Thinking about genetics on the gene level-everything from inheritance to recombinational mapping. (3) The application of both molecular and Mendelian genetics to study biological processes. We start by seeing how genetic techniques can be used to dissect almost any biological process and end up answering questions such as: How does genetic disease screening work? How are genes cloned from complex organisms such as mice or even humans? How does gene therapy work? In the laboratory we carry out both molecular experiments and classical genetic experiments. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM Majors - BIOL 150 or 220, and BIOL 201 or 210, and CHEM 331 (or concurrently). 4

Plant Evolution and Reproduction (BIOL-326) In this course we will explore the evolutionary relationships and histories among the major groups of plants, both terrestrial and aquatic. We will pay particular attention to their modes of reproduction and the structures that facilitate gamete production and dispersal. We will learn how plant physiology and developmental mechanisms have allowed taxa to persist or make major transitions among different environments over time. Class reading material will consist of the primary literature and will be presented by students every week. For the laboratory component we will have one overnight trip to Hocking Hills on a weekend in September to examine and identify plants in their natural habitat, as well as shorter trips to Blackhand Gorge and the Dawes Arboretum. We will also plan together and complete a semester-long project on the effects of environment on the development of reproductive structures in the model plant, *Arabidopsis thaliana*. Plant Evolution and Reproduction qualifies as a "biological diversity" course for the major. Prerequisite: Biology core or consent, CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and BIOL 201 or 210, and BIOL 202 or 230, and CHEM 331 (or concurrently).
4

Biology of Insects (BIOL-327) In this course we will explore the world of insects and their interactions with other species. Our central focus will be to survey insect diversity and explore how various orders, families, and species are adapted through evolution to their specific environment. But we will also use that diversity as a lens through which we will examine major concepts in biology. Topics of discussion will include the following: plant-insect coevolution, mating systems, anti-predator defenses, eusocial behavior, parasitism, disease transmittance, insect conservation, and control of agricultural pests. Laboratory will involve collecting insects in the field (including at times outside of class hours), identification, and preparing a collection.

Biology

Biology of Insects qualifies as a "biological diversity" course for the major. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and BIOL 201 or 210, and BIOL 202 or 230, and CHEM 331 (or concurrently). **4**

Comparative Physiology: Human and non-human animals (BIOL-334) This course is a comparative study of how humans and other animals perform their life-sustaining functions. We will explore the physiology of the cardiovascular, nervous, muscular, and endocrine systems, as well as examining key homeostatic functions such as thermoregulation, osmoregulation, and energy utilization. This course will examine the adaptive significance of physiological traits at the molecular, tissue, organ and whole organism level in humans and a variety of non-human animals. Students will participate in course labs and design their own physiology experiments. Prerequisite: BIOL core, and CHEM 131 and 132 (or concurrently) or consent of instructor, or CHEM majors - BIOL 150 or 220, and 201 or 210, and CHEM 331 (or concurrently), or NEURO concentrators - BIOL 150 or 220, and 201 or 210, and CHEM 131 and PSYC 200. **4**

Invertebrate Zoology (BIOL-336) Invertebrates constitute more than 97% of all animal species on Earth. They are an incredibly diverse group of organisms that have been classified into more than 30 phyla, each with unique anatomical, physiological, and behavioral traits. In this course, we explore the evolutionary history of invertebrates, and how these traits evolved as adaptations for specific terrestrial, freshwater and/or marine environments. We examine certain taxa in greater detail to address major concepts in biology; this is done in conjunction with article discussions and laboratory exercises that involve a variety of approaches in both the lab and field. Students have the opportunity to complete at least one self-designed experiment by the end of the semester. Invertebrate Zoology qualifies as a "biological diversity" course for the major. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and 201 or 210, and 202 or 230, and CHEM 331 (or concurrently). **4**

Animal Behavior (BIOL-340) In this course we study the proximate and ultimate causes of animal behavior from an evolutionary perspective. Topics include the genetic, developmental and neural bases of behavior as well as behavioral strategies of habitat choice, foraging, defense, courtship, parental care and sociality. The laboratory will include several multi-week experiments designed to test hypotheses concerning behaviors observed in the field and lab. There will be a strong emphasis on data analysis and interpretation, and use of the primary literature. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220 and 201 or 210, and 202 or 230, and CHEM 331 (or concurrently). **4**

Immunology (BIOL-341) This course is a study of concepts in immunology, focusing on the cellular and molecular aspects of the immune system in humans and other animal models. We will delve into subjects allowing students to understand the fascinating and complex mechanisms with which our immune systems defend our bodies against a constant barrage of infectious microorganisms. Topics covered include immune cell development and function, specific and non-specific immune responses to infection, immunogenetics, vaccination, and clinical disorders of the immune system such as allergies, immunodeficiency diseases, and autoimmunity. Laboratory exercises will utilize immunological techniques to address questions pertaining to the molecular function and specificity of the immune system. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and 201 or 210, and CHEM 331 (or concurrently). **4**

Advanced Topics in Biochemistry: Diet, Metabolism, and Disease (BIOL-343) This advanced biochemistry course will explore the metabolic fates of food molecules and how these molecules affect an individual's health and predisposition towards a range of diseases. We will consider concepts of health, diet, and fitness as presented in popular culture as well as investigating their biochemical bases. The class will include a semester-long research project focusing on the interplay of diet, metabolism, and disease and will require students to become conversant with current primary research literature in the field. Prerequisite: Biology

core, and CHEM 258, and at least one CHEM or BIOL class at the 300-level or consent. Three class periods and one laboratory weekly. **4**

Eukaryotic Cell Biology (BIOL-345) This course will be an in-depth examination of fundamental cellular functions, with an emphasis on how disturbances in these functions lead to disease. Areas covered in the course include intracellular trafficking, cytoskeleton and cell motility, adhesion, signal transduction, cell cycle, and apoptosis. Laboratories will involve learning current methods to analyze biological processes in cells. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and 201 or 210, and CHEM 331 (or concurrently). **4**

Neurophysiology (BIOL-349) We will use neurophysiology and neuroanatomy to understand the links between molecules, cells, systems, and ultimately behavior. The course will start with an exploration of neurons and signaling within and among cells. We will then examine some sensory and motor systems. The last portion of the course will examine the whole animal in a neurophysiological context. The classroom portion of the course consists of lectures, discussion of the text and of research articles, problem sets, analysis of case studies, and other activities. The laboratory component will involve a mixture of behavioral, anatomical, and physiological studies on vertebrate and invertebrate animals, electronic modeling of nerve circuits, and computer simulations of nerve activity. The labs are designed to introduce students to some fundamental neurophysiological techniques and to a variety of study organisms, and to strengthen experimental design and analysis skills. Prerequisite: : Biology Core, and CHEM 131 and 132 (or concurrently) or consent, or CHEM majors - BIOL 150 or 220, and 201 or 210, and CHEM 331 (or concurrently), or NEURO concentrators- BIOL 150 or 220, and 201 or 210, and CHEM 131 and PSYC 200. **4**

Genomics (BIOL-350) Genomics is the study of genomes, the entire collection of genetic information found in a specific organism. This field of study attempts to understand how all of the genes in a given genome cooperatively function to orchestrate the biological activities within the organism. The genomic DNA sequences of thousands of species have been determined, including humans, providing a wealth of information about the genetic composition and evolutionary relatedness of species. This course will introduce students to the fundamental concepts in genomics, including how genome sequences are assembled, how potential genes within the genome are identified and characterized, how genomes are organized and regulated, and how genomes evolve. Contemporary papers from the field of genomics will be discussed to complement the concepts addressed in class. The laboratory component of this course will be partly computer-based, utilizing online databases and "bioinformatic" programs to carry out a series of projects on genome assembly and compositional analysis complemented by "wet-lab" experiments to explore genome regulation. This course satisfies the oral communication requirement. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and BIOL 201 or 210, and CHEM 331 (or concurrently). **4**

Special Topics (BIOL-356) 4

Directed Study (BIOL-361) A research problem (library, field, or laboratory) that provides the opportunity for the qualified student to extend his or her interest beyond the limits of particular course offerings. Does not count toward minimal departmental requirements. **1-4**

Directed Study (BIOL-362) A research problem (library, field, or laboratory) that provides the opportunity for the qualified student to extend his or her interest beyond the limits of particular course offerings. Does not count toward minimal departmental requirements. **1-4**

Independent Study (BIOL-363) 1-4

Independent Study (BIOL-364) 1-4

Conservation Biology (BIOL-370) Conservation Biology requires the broad use of biological disciplines such as ecology, physiology, genetics, and animal behavior, as well as appreciation of policy issues, to understand and manage biodiversity. In this course, students will learn how to apply these biological tools for the purpose of defining and maintaining biodiversity at many scales. We will also cover human impacts on biodiversity, as well as the link between science and policy in protection efforts. This course will emphasize critical reading of primary literature as well as gaining hands-on experiences with population modeling, and measuring and monitoring local biodiversity. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently). **4**

Population and Community Ecology (BIOL-375) In this course, we will examine 1) how populations and communities are structured, 2) how populations and communities change over time, and 3) how populations and communities are influenced by their environment or ecological context. An emphasis is placed on using primary literature, on doing ecology in the field and on writing in biology. This course satisfies the writing overlay of the General Education program. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM and ENVS majors - BIOL 220 and 230. **4**

Evolutionary Biology (BIOL-380) This course builds on BIOL 202 and completes an in-depth survey of evolutionary theory with emphasis on processes that drive organismal change. We examine how molecular technology has impacted the study of evolutionary processes, and how new methods of analysis are changing the study of population genetics, phylogeny construction, adaptive radiation, etc. Experimental design and reading of primary and secondary scientific literature are stressed. Through the course, emphasis is placed on integration of all biological disciplines under the paradigm of evolution. Prerequisite: Biology core or consent, and CHEM 131 and 132 (or concurrently), or CHEM majors - BIOL 150 or 220, and BIOL 202 or 230. **4**

Chemical Biology (BIOL-385) This course explores modern topics associated with the interface of chemistry and biology from the point of view of chemical biologists. Topics may include combinatorial chemistry, chemical genetics, chemical proteomics, high-throughput drug screening, micro-chip display of biological molecules (DNA, peptides, carbohydrates), cell-surface modification with chemical tags or other topics taken from the chemical biology literature. Prerequisite: CHEM 258 and at least one 300 level CHEM or BIOL course or consent of the instructor. **4**

Advanced Topics in Biology (BIOL-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Research (BIOL-451) For seniors desiring to work on an advanced research problem. Biology 451 is to be taken if no previous work on the specific research project has been accomplished. Students with prior, substantial experience on their research project (such as a summer research experience with a Denison faculty member) may petition to move directly into BIOL 452. Prior consent of the advising faculty is required for registration. The grade is determined by the advisor. Completion of BIOL 451 does not fulfill an upper-level biology course requirement for the major. **4**

Advanced Senior Research (BIOL-452) For seniors working on an advanced research problem. Following the completion of a substantial research experience, such as BIOL 451 or a summer research experience with a Denison faculty member, students may take BIOL 452. Prior consent of the advising faculty is required for registration. The grade is determined by the advisor. Completion of BIOL 452 fulfills one upper-level biology course requirement for the major and also fulfills a writing overlay (W) requirement. Students enrolled in BIOL 452 have the option of pursuing senior research with Recognition. Interested students should speak with their research advisor or the Chair of Biology to learn more about the Recognition process and expectations. **4**

Black Studies

Faculty

Director: Associate Professor Toni King (Black Studies and Women's and Gender Studies)

Associate Professor John Jackson (Black Studies and Religion)

Affiliated faculty: Dosinda Alvite (Spanish), Lauren Araiza (History), Stafford Berry (Dance), Nida Bikmen (Psychology), John Davis (Anthropology and Sociology), Susan Diduk (Anthropology and Sociology), Kelly Jo Fulkerson-Dikuua (Black Studies), Fareeda Griffith (Anthropology and Sociology), Linda Krumholz (English), Emily Nemeth (Education), Diana Mafe (English), Yvonne-Marie Mokam (Modern Languages), Omedi Ochieng (Communication), Keun-joo Christine Pae (Religion), Heather Pool (Political Science), Frank "Trey" Proctor (History), Karen Powell Sears (Anthropology and Sociology), Jack Shuler (English), Joanna Tague (History), Johan Uribe (Economics), Leah Argyle (Academic Administrative Assistant)

Departmental Guidelines and Goals

The Black Studies Program invites students to investigate the Black experience as it manifests in Africa, North America, Latin America, the Caribbean, and other parts of the African diaspora. While the program's primary focus is the study of the Black experience in North America, fundamental to this enterprise is a recognition of the triangular relationship between Africa, the Caribbean and the United States.

The Program seeks to serve the general needs of the college by providing course offerings across the full range of academic divisions. At the same time, it is designed to meet the specialized interests of students through an interdisciplinary major and minor. Therefore, many appropriate courses are found under the rubric of other departments. Black Studies majors and minors are encouraged to complete some portion of their undergraduate education abroad; many off-campus studies opportunities available through Denison are relevant to Black Studies and help majors and minors gain global perspectives and experiences.

Through our courses, we teach students to write using various disciplinary frameworks to place Black life, experiences, and culture at the center of their analyses or to interrogate societal dynamics that shape, and are shaped, by Black life and culture. To do this, our students' writing might include personal narratives, formal essays, or theoretical discourses. Our aim is to support students in selecting the mode of written expression and developing the tools to utilize those modes of expression in ways that reveal, articulate, and analyze Black life and culture and the relevant dynamics of society.

The Black Studies curriculum is administered by a faculty committee and the director of the Center for Black Studies. This committee reviews and approves the educational plans developed by majors in consultation with the director of the Center for Black Studies. Students wishing to major or minor in Black Studies should contact the director of the program.

Black Studies Major

A Black Studies major requires a minimum of 32 credit hours in addition to the completion of a senior research project. The senior research project should be designed in consultation with the director of Black Studies. The senior research project may be either a one semester or a full year project. Because Black Studies is an interdisciplinary field, the senior research may be cross-listed with senior research in another discipline. Field research or field experience may comprise a portion of the senior research project. A wide range of field opportunities in local Black communities is available to students through the Center for Black Studies.

There are three core courses in Black Studies, required of a major in the area:

Black Studies 235, Introduction to Black Studies;
English 255, Ethnic Literature; and
History 193, African American History

In addition to core courses and the senior research project, the Black Studies major requires the completion of at least one course in Women's and Gender Studies. While any Women's and Gender Studies course may be used to fulfill this requirement, students ideally should choose a course that includes a discussion of topics about Black women. Appropriate courses may be selected in consultation with the director of Black Studies.

Other requirements include the completion of one course in which the primary subject matter is Africa or the Caribbean and Latin America. This requirement is designed to encourage students to confront, in a substantial manner, the triangular relationship between the Black experience in Africa, the Caribbean and Latin America, and North America.

Black Studies Minor

The minor in Black Studies requires a minimum of 24 credit hours. Students who wish to be awarded a minor in Black Studies must complete the three core courses (Black Studies 235, English 255, and History 193). Students also are required to complete at least one Women's and Gender Studies course. Courses which satisfy this requirement may be selected in consultation with the director of Black Studies.

Additionally, students are required to complete one Black Studies course in which the primary subject matter is Africa or the Caribbean and Latin America, plus a senior research project in the form of a directed study that seeks to correlate Black Studies with some aspect of the student's major field. Although it is not required, students are encouraged to include a field experience component in the senior research.

Course Offerings

Black Women's Lives: Autobiography As Protest (BLST-102) The purpose of this course is to explore personal narrative and autobiography as texts of resistance in Black women's lives. The course will use the multiple genres of autobiography such as poetry, essay, short narrative, memoir and major autobiographical works to illustrate Black women's resistance to race, class, and gender subordination or other forms of marginalization and oppression in their lives and in society. These autobiographical texts will be paired with select readings from women's studies and black studies to provide students with the analytical tools to identify how these texts function as forms of personal, social, political or institutional protest. Cross-listed with WGST 102. **4**

Gospel Piano (BLST-115) **1**

African/Diasporan Dance I (BLST-122) African/Diasporan Dance I focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, African American vernacular, Hip-Hop, Contemporary African, etc.). Taught from a cultural perspective, this course emphasizes fundamentals such as fluidity, use of the head, spine and pelvis, grounded and weighted qualities, isolations and complex embodied rhythms. Concert attendance, short written critical responses and weekly written journals are examples of outside work that is required. Cross-listed with Dance. No previous dance experience is expected. **2**

Gospel Choir (Ensemble) (BLST-133) **1**

Gospel Ensemble (BLST-139) **1**

Special Topics in Black Studies (BLST-146) 1-4

African Art and Visual Culture (BLST-154) This course examines the diverse arts and visual culture of Africa. The scope of this course ranges from pre-colonial to contemporary times, considering a selection of objects, concepts and practices from across the continent. The course is designed to provide you with an introduction to these art forms and the various socio-cultural, historical, critical and aesthetic platforms from which they operate. In addition, we will explore some of the key theoretical issues in the portrayal and interpretation of art and visual culture from this world arena. **4**

Pre-Colonial Africa (BLST-171) This survey course will introduce students to the history of Africa from the earliest times to 1880 - also known as pre-colonial African history. Though the focus is on Africa south of the Sahara, North Africa will be featured from time to time. Topics include the earliest human settlements in Africa, empires and kingdoms in East, West, and Southern Africa, Islam and Christianity in Africa, slavery, and the partitioning of the continent by powers in the mid 1800s. **4**

The History of Africa Since 1880 (BLST-172) This course examines myths about Africa, the history of colonialism on the continent in the 19th and 20th centuries, the rise of primary resistances to colonialism in the late 1800s and early 1900s, and how this fed the secondary and tertiary resistance movements from the 1930s through to the 1990s when the apartheid regime collapsed in South Africa. Through close readings of the historiography, students will grapple with the history of colonialism and the postcolonial era in Sub Saharan Africa. **4**

Introductory Topics in Black Studies (BLST-199) A general category used only in the evaluation of transfer credit. **1-4**

Race and Ethnicity (BLST-212) Contrary to the expectations of many modern social theorists, race and ethnicity continue to be important elements in the lives of contemporary people, serving as frameworks through which individual identities, community actions, and cultural meanings are interpreted. This course will introduce students to the sociocultural analysis of racial and ethnic identities. How did ethnic and racial identities and communities develop over time? Why does race, though now understood to be a social rather than a biological category, continue to be (mis)understood as a biological category? How do aspects of political, class, gender, and sexual identities influence racial and ethnic identities? We will use a global perspective to understand the conception of race and ethnicity. We will explore these topics among others including cultural and historical variability of ethnic and racial categories, the dialectical formation of identity, and the persistence of certain forms of racial and ethnic prejudice. Students will be expected to examine critically their own common assumptions and presuppositions about race and ethnicity, and to begin developing the theoretical tools for interpreting life in an ethnically diverse world. **4**

World Music (BLST-219) This course includes in-depth studies of several representative genres of music from around the world, including their social or political contexts. Traditional and popular musics of the world can play important roles in religion, identity formation (gender, race, sexuality), tradition, education, agriculture, history preservation, political resistance and domination, protest, symbolism and entertainment. Students will learn to identify, classify, and describe musical examples from several cultures by discerning musical styles, instrumental or vocal timbre, form and texture. **4**

Representing Africa on Film (BLST-222) An examination of ethnographic/documentary film dealing with Africa as well as contemporary cinema produced by African filmmakers. This class accords particular attention to the perspectives of African filmmakers as agents in the representation of cultures, social realities and histories in Africa. **4**

African/Diasporan Dance II (BLST-223) African/Diasporan Dance II focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, Hip-Hop, African American vernacular, contemporary African, etc.). Taught from a cultural perspective, this course deepens exposure to fundamentals and aesthetics with complex phrasing and multi-layered movement. Emphasis is placed on fluidity, use of the head, spine, and pelvis, grounded and weighted qualities, isolations and complex embodied rhythms. Limited work outside the classroom is required. Examples include concert attendance, focused relative research inquiries, weekly journal writing, and video essays. Cross-listed with Dance 222. Level II is only open to students with previous dance experience in any genre. Prerequisite: DANC 122, 132, 232 or consent of instructor. **2**

African American History (BLST-225) This course will examine the history of African-Americans in the United States from 1619 to the present with an emphasis on the processes by which African-Americans adjusted to and resisted their conditions. Topics will include African heritage, slavery, Civil War and Reconstruction, Jim Crow, wartime experiences, the shift to urban life, the Civil Rights and Black Power Movements, the rise of Hip Hop, and contemporary issues. Offered Fall. **4**

Rebellion, Resistance and Black Religion (BLST-228) This course examines the cultural continuities between African traditional religions and Black religion in the United States. It also explores the connection between politics and religion among Black Americans and the role religion plays in the African-American quest for liberation. The course examines theological and ethical issues, such as the color of God and the moral justifiability of violent revolution. Students will be given an opportunity to study contemporary religious movements, such as Rastafarianism and the Nation of Islam, along with more traditional African sectarian practices such as voodoo and Santeria. **4**

History of Gospel Music (BLST-234) This course will explore the historical development of African-American gospel music in the 20th Century. The course will begin an examination of the pre-gospel era (pre-1900s-ca. 1920), move on to gospel music's beginnings (ca. 1920s), and continue unto the present. The course will explore the musical, sociological, political, and religious influences that contributed to the development of the various gospel music eras and styles. Through class lectures, demonstrations, music listening, reading and writing assignments, students will learn about the significant musical and non-musical contributions of African American gospel artists and the historical development of African American gospel music. Students will also strive to gain an understanding of the African American musical aesthetic and to determine how it is retained and expressed with African American gospel music and other musical genres. The class is open to students, staff, and faculty of all levels. **4**

Introduction to Black Studies (BLST-235) An introductory study of the Black experience in America, this course will survey the field by examining in series, the various social institutions that comprise Black American life. Students will be introduced to fundamental contemporary issues in the study of Black religion, politics, economics and the family. Additionally, this course will serve as an introduction to Afrocentricity, "the emerging paradigm in Black Studies," and to the new scholarship on Blacks in America. **4**

Global Health and Local Wellbeing (BLST-237) The course examines the sociocultural bases of both Western and non-Western medical and psychiatric systems. It focuses especially on different cultural assumptions about the nature and causes of illness and the institutional arrangements for the care of patients. The course will consider a variety of social scientific theoretical perspectives on the relationship between illness, medicine, and society. It will assess the degree to which non-Western medical systems may be compatible with and/or of benefit to Western medicine and psychiatry. This course has no prerequisite. **4**

Racialized Perspectives of Media (BLST-239) This course critically examines the forms that racial and ethnic representations have taken in American media. The course will attempt to chart changes in public

perception of racial and ethnic difference in the context of cultural and social transformations, as well as adjustments in the U.S. media industry. We will first establish a foundational knowledge of media criticism and explore theories and perspectives on how ethnicity is experienced in American culture. We will then focus on the topic of the representation of ethnicity in American media, surveying it historically, in relation to specific ethnic groups, at particular moments, and in a variety of genres. **4**

Intermediate Topics in Black Studies (BLST-246) This course provides a venue in which to explore chosen topics in Black Studies at the intermediate level. Topics vary according to the interests of students and faculty. In some cases, the course may be repeated for credit. This course may be cross-listed based on the topic and disciplines that inform it. **2-4**

Ethnic Literature (BLST-255) A study of the literature of various ethnic, racial and regional groups of the United States. This course explores cultural heritages, historical struggles, artistic achievements and contemporary relations of groups in American society. **4**

Studies in Literature: Contemporary African Novels in English (BLST-260) A study of contemporary Anglophone African novels, all of which engage with histories and experiences of European colonialism. **4**

Black Women and Organizational Leadership (BLST-265) This class explores Black women's leadership orientations in organizations. Afrocentric and womanist frameworks are used to inquire about Black women's leadership in the context of their lives. In this course we explore and theorize Black women's use of communal and generative leadership orientations as well as their application of a multiple and oppositional consciousness. Organizational dilemmas stemming from their race, class, and gender, as well as the unique challenges Black women leaders face in creating a supportive life structure are examined. Students will critique the omission of Black women's leadership styles in the mainstream theories about leadership, as well as explore the implications of Black women's leadership for expanding mainstream theory. Cross-listed with WGST 265. **4**

Contemporary African Peoples in Historical Perspective (BLST-320) This course is an examination of the historical, ethnic and socio-cultural diversity of sub-Saharan Africa societies. Central to this overview is an emphasis on the pre-colonial, colonial and postcolonial eras. It considers questions of economic development, urbanization, agricultural production and the relationship of the contemporary African state to rural communities. This course also explores symbolic systems in the context of rituals, witchcraft, indigenous churches, and new forms of Christianity currently spreading in Africa. Prerequisite: ANSO 100 or by consent. **4**

African-American Women's Literature (BLST-325) Historical and contemporary African-American women's literature grounds an inquiry into black women's literary and intellectual traditions within the matrix of race, gender, class, and sexual relations in the United States. **4**

African/Diasporan Dance III (BLST-327) African/Diasporan Dance III focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, African American vernacular, Hip-Hop, contemporary African, etc.). Taught from a cultural perspective, it is designed for students with significant experiences in African/Diasporan dance technique. This course approaches technique holistically and provides students with the rigorous practice required for performance. Emphasis is placed on fluidity, use of the head, spine, and pelvis, grounded and weighted qualities, isolations, and understanding or complex embodied rhythms. Because this course meets approximately 6 hours per week, little outside work is required. Cross-listed with Dance 322. Prerequisite: one year or two semesters of DANC 222 or consent of instructor. **2**

The Fourteenth Amendment and the Meanings of Equality (BLST-332) Since 1868, Section 1 of the Fourteenth Amendment has served as the principal benchmark for legal debates over the meanings of

equality in the United States. This course explores the origins of the amendment in the post-Civil War period and the evolution of its meanings throughout the late nineteenth, twentieth, and early twenty-first centuries. We will examine closely the contested interpretations of equal protection and due process; the rise, fall, and rebirth of substantive due process; and the battles over incorporating the Bill of Rights. We will pay particular attention to how struggles for racial and gender equality have influenced debates over the amendment, and how the amendment has reshaped the parameters of U.S. citizenship. **4**

The Civil Rights Movement (BLST-333) This seminar will examine the struggle for African-American equality from the 1930s to 1970. The course will begin with the origins of the Civil Rights Movement during the New Deal and World War II. We will then explore the key campaigns, figures, organizations, and guiding themes of the Movement. Special attention will be paid to the processes by which grassroots activism forced responses from the federal, state, and local governments. **4**

Dancing in the Street: African-American Urban History (BLST-334) This course explores the history of the African-American urban experience. In the mid-18th century, the African-American community began to transition from a rural to an urban population. By the mid-20th century, African-Americans had become an overwhelmingly urban group. The course examines the process of the rural-to-urban transformation of African-Americans and the ways in which they have confronted, resisted, and adjusted to urban conditions of housing, employment, education, culture, and public space. **4**

The History of Black Power: From Marcus Garvey to Chuck D (BLST-337) This course explores the history of the ideology of Black Power and its various dimensions and incarnations from its origins in the early 20th century to its significance in the present. Topics to be addressed may include, but are not limited to: definitions of Black Power, applications of this ideology to politics and economics, artistic aesthetics, gender dynamics, key figures and organizations, current manifestations, meanings for the African-American community, and reactions from the larger American society. **4**

Culture, Identity and Politics in Caribbean Society (BLST-339) This course focuses on the social, cultural and political life of the Caribbean area, especially the English- and French-speaking areas. A fragmented group of nations decidedly on the periphery of the global economy, the Caribbean was once one of the richest areas of the world. Its riches then depended on the labor of enslaved Africans; the fruits of the plantation economy were enjoyed mainly by European planters. What is the legacy of such a history? We review the variety of Caribbean policies, from the strong democratic traditions of Jamaica to the autocratic rulers of Haiti, and explore how the Caribbean's unique combination of cultural influences affect the political processes, ways of life, class divisions and ethnic stratification evident in the Caribbean today. Prerequisite: ANSO 100 or consent. **4**

Social Movements (BLST-340) In this course we explore social movements as a primary means of social change. We attempt to understand the conditions that precede, accompany and follow collective action. Particular case studies for analysis will be drawn from the United States and cross-cultural contexts to illustrate that social movements are human products that have both intended and unintended consequences. This course is sometimes taught with a special subtitle: "Social Justice Movements in Communities of Color," cross-listed with the Sociology/Anthropology Program. Prerequisite: ANSO 100 or consent. **4**

Demography of Africa (BLST-343) In this course, we begin by reviewing current literature to clearly define the term, Demography. Next, we examine the demographic processes of population change in the continent of Africa. Demographic processes include mortality, fertility and migration. In addition, we explore patterns of urbanization, economic development and educational attainment. We analyze survey data from the African Census Analysis Project and Demographic Health Survey. Upon completion, you should be fa-

miliar with a variety of demographic processes that allow an examination of interesting demographic, social and anthropological questions. Prerequisite: ANSO 100. **4**

Advanced Topics in Black Studies (BLST-345) 4

The Harlem Renaissance (BLST-355) An analysis of the interrelationship between the cultural phenomenon and the literature of the Harlem Renaissance, particularly the way in which the social, economic and political conditions of the era helped to shape the literary art of the 1920s. **4**

The Narrative of Black America (BLST-356) A study of representative samples of Black literature ranging from slave narratives to contemporary Black fiction. **4**

Postcolonial Literature and Criticism (BLST-357) Readings in literature and criticism from Asia, Africa, Latin American and the Caribbean, in response to the experience of colonialism. **4**

History of African American Education (BLST-360) The goal of this course is to examine the historical experiences of African Americans in education and related aspects of life. Much of the course will focus on Blacks' experiences in schooling in the South from Reconstruction to the Civil Rights Movement of the 1960s. In addition, students will contrast African American schooling experiences with those of Native Americans and others during this period. Students who enjoy and benefit from cooperative and participatory learning environments are encouraged to take this course. Prerequisite: EDUC 213 OR BLST 235. **4**

Directed Study (BLST-361) 1-4

Directed Study (BLST-362) 1-4

Independent Study (BLST-363) 1-4

Independent Study (BLST-364) 1-4

Studies in 16th- and Early 17th- Century British Literature (BLST-365) A study of selected works of poetry, prose and drama from 1500-1660. **4**

Black America's Legal Struggle for Educational Equality (BLST-367) This course examines U.S. Supreme Court cases that led to and followed the Brown v Board of Education decisions. It looks at the role of the Black community in challenging both de jure and de facto segregation in schooling and society. We begin by discussing the Plessy decision that Brown overturned and a few other Supreme Court cases that appeared to reduce the meaning of the 13th, 14th, and 15th Amendments to the US Constitution for Blacks and others. Next, we look at the efforts of individuals such as Charles Hamilton Houston who led the legal offensive of the National Association of the Advancement of Colored People (NAACP) to overturn Plessy. We will discuss the state of education in relation to Blacks and others prior to Brown and afterward. **4**

Studies in Early American Literature (BLST-369) Selected topics in the writings of colonial and early national America. **4**

Advanced Topics in Black Studies (BLST-370) 4

Race and Ethnicity in Latin America (BLST-384) This course critically examines the history of the social construction of race and ethnicity in Latin America. In it, we will explore how historians have employed race and ethnicity as methodological categories in order to elucidate the histories of Latin America from the pre-Hispanic era through the modern period. Particularly we will focus on the various attempts by the ruling elite to deploy race in the ordering of society; and, how the non-elite resisted the imposition of those elite

conceptions of racial and ethnic hierarchies to create their own codes of conduct, and how those conflicts have changed over time. **4**

Topics in Black Studies (BLST-390) This course provides a venue in which to explore chosen topics in Black Studies. Topics vary according to the interests of students and faculty. This course may be cross-listed based on the topic and disciplines that inform it. **4**

Comparative Slavery in the Americas (BLST-391) For many, the history of slavery is synonymous with the United States South. But slavery was not limited to the US and by approaching slavery from a comparative perspective, we will deepen our understanding of slavery as an institution, slaves as historical actors, and therefore the legacies of slavery throughout the Americas. We will explore regional differences within slaves' opportunities to form families, to create cultures, to rebel, and to labor for their own benefits; as well as the interactions of African cultural visions and Christianity. **4**

Topics in Black Studies (BLST-399) A general category used only in the evaluation of transfer credit. **1-4**

Performance: African/Diasporan (BLST-422) New and reconstructed works choreographed by faculty and guest artists in African/Diasporan dance are learned by students and rehearsed for public performance. Participation can include attending biweekly company classes and contributing to the production of the performance. Differences in course number refer to genres of performance work. By audition or invitation only; auditions are typically held during the first two weeks of each semester or immediately preceding a short residency by a guest artist. Cross-listed with Dance 422. **1**

Senior Research (BLST-451) **4**

Senior Research (BLST-452) **4**

Chemistry and Biochemistry

Faculty

Associate Professor Sonya L. McKay, Chair

Associate Professors Annabel M. Edwards, Jordan L. Fantini, Michael M. Fuson, Jordan E. Katz, Peter Kuhlman, Sonya L. McKay, Joseph J. Reczek, Charles W. Sokolik, Kimberly Musa Specht; Assistant Professor Rachel Mitton-Fry; Academic Administrative Assistant Cathy Romei

Departmental Guidelines and Goals

The Department of Chemistry and Biochemistry has two primary goals, which in practice are tightly interrelated. First, we seek to promote a level of scientific literacy and chemical understanding among all students taking courses in the department that will contribute to the University's fundamental mission "to inspire and educate our students to become autonomous thinkers, discerning moral agents and active citizens of a democratic society." Secondly, we will provide a rigorous and comprehensive program in chemistry and biochemistry suitable for those students pursuing careers in science and technology. In its courses the department seeks to progressively develop skills in building qualitative and quantitative interpretation of chemical phenomena, in experimental analysis and design, and in written and oral communication of scientific ideas. Graduates of this program, grounded in a well-developed molecular worldview, are expected to explain the

behavior of chemical and biological systems based on physical models. The department is also deeply committed to sustaining a vigorous and diverse range of collaborative student-faculty research. A community of mutual support among students, faculty, and staff is a vital element in achieving our goals.

The Chemistry and Biochemistry curriculum provides courses that are designed to enable students, as contributing professionals and engaged citizens, to deal effectively with a world increasingly dominated by the ideas and methods of modern science. Majors are qualified for immediate employment in industry. However, many elect to attend graduate school in chemistry, biochemistry, and related areas, or enter schools of medicine, dentistry, or engineering. The department is approved by the Committee on Professional Training of the American Chemical Society to offer a Certificate of Professional Training in Chemistry to students who satisfy certain requirements.

Requirements for Chemistry & Biochemistry Majors

The department offers three options for degrees in Chemistry & Biochemistry: Bachelor of Science (B.S.) programs in Chemistry and in Biochemistry that provide a rigorous course of study in preparation for professional careers, graduate work in chemistry/biochemistry or related fields, or professional schools (medical, dental, pharmacology, veterinary); and a Bachelor of Arts (B.A.) program in Chemistry for students intending to pursue fields such as dentistry, medicine, secondary school teaching or other areas requiring a strong chemistry background. Earning a B.A. degree does not preclude a professional scientific career, although an additional year of undergraduate study may be required for admission to some graduate programs. The department also offers a minor in Chemistry.

Our program requires courses at the introductory (100), intermediate (200 and 300), and advanced (400), levels. We expect that majors will complete the required 300-level courses by the end of their junior year. The Department of Chemistry and Biochemistry recommends strongly that students earn a C or better in each of the core courses, CHEM 131, 132, 251 and 258, before proceeding to 300-level courses. 400-level courses, to be counted toward the major, need to be taken after the prerequisites. Any request to waive this requirement must come prior to taking the course. We strongly encourage all majors to have an advisor in the department.

Students pursuing any of the three majors are required to complete the following nine common courses plus the additional courses listed for each program:

- two introductory courses in the principles of chemistry: Atoms and Molecules: Structure and Dynamics (131) and Organic Structure and Reactivity (132)
- three required intermediate courses: Intermediate Organic Chemistry (251), Intermediate Biochemistry (258) and Intermediate Physical Chemistry (343)
- the following four additional science courses: Molecular Biology and Unicellular Life (BIOL 210), Calculus I and II (MATH 123 and 124) and General Physics I (PHYS 121)

All Chemistry and Biochemistry majors must also satisfactorily complete two zero-credit courses used for program assessment (Chemistry & Biochemistry Assessment I (CHEM 300) and Chemistry & Biochemistry Assessment II (CHEM 400)).

BA in Chemistry

The successful completion of the following 12 courses: A student may graduate with a B.A. degree in Chemistry on fulfillment of G.E. requirements and

- the nine common courses listed above
- one additional 300-level intermediate course
- two additional 300 or 400-level CHEM courses

BS in Chemistry

A student may graduate with a B.S. degree in Chemistry on fulfillment of G.E. requirements and the successful completion of the following 16 courses:

- the nine common courses listed above
- Intermediate Inorganic Chemistry (317)
- Intermediate Analytical Chemistry (331)
- four additional 400-level CHEM courses
- General Physics II (PHYS 122)

Note: In order to complete the required courses for a B.S. in Chemistry, students must start CHEM 131 in the first semester of their first year.

BS in Biochemistry

A student may graduate with a B.S. degree in Biochemistry on fulfillment of G.E. requirements and the successful completion of the following 17 courses:

- the nine common courses listed above
- Intermediate Analytical Chemistry (331)
- five additional 300 and 400-level CHEM or BIOL courses: one of these must be a 300 or 400-level biology class, and one of these must be a 400-level chemistry/biochemistry class taken in the senior year* (CHEM 451 or 452 will not satisfy this requirement)
- Multicellular Life (BIOL 220)
- General Physics II (PHYS 122)

*(All advanced courses in Biology have prerequisite courses that a student majoring in Biochemistry may not have completed. Students must either obtain the appropriate prerequisite courses or obtain the permission of the instructor before registering for these advanced Biology courses.)

The Minor in Chemistry

A student may graduate with a minor in chemistry on successful completion of the following 6 courses, taken at Denison:

- two introductory courses in the principles of chemistry: Atoms and Molecules: Structure and Dynamics (131) and Organic Structure and Reactivity (132)
- two required intermediate courses: Intermediate Organic Chemistry (251) and Intermediate Biochemistry (258)
- two additional 300 or 400-level CHEM courses

Research and ACS Certification

For students pursuing the B.S. degree in either Chemistry or Biochemistry, two semesters of Senior Research (or a summer research experience at Denison followed by one semester of Senior Research in the same laboratory) may be counted as one of the 400-level electives.

The B.S. Chemistry major who takes two semesters of Senior Research as part of the degree requirements will earn a degree certified to the American Chemical Society. The B.S. Biochemistry major who takes CHEM 317, two semesters of Senior Research and three additional 400-level CHEM courses as part of the degree requirements will earn a degree certified to the American Chemical Society.

Majors are encouraged to participate in the various on-going research projects in the department. Additional research opportunities are available in the department during the summer and as part of the Oak Ridge Science Semester described at <http://denison.edu/academics/oak-ridge>.

Additional Points of Interest

Students interested in teaching should consult with faculty in the Department of Education. Faculty and staff in the Department of Education assist students in creating individually designed plans for obtaining licensure through a range of programs after graduation. Students interested in pursuing a B.A. degree in Chemistry before pursuing a teaching career are strongly encouraged to take all three 300-level Chemistry course options (as described below).

The Chemistry courses listed above must be taken at Denison with the following exception: the Department of Chemistry and Biochemistry recognizes the valuable contribution that off-campus study can provide to a broad liberal arts education, so one course in the major at the 300-level or higher may be taken at another institution, providing that prior approval is received from the department. Students considering study off-campus are encouraged to discuss these plans with their academic advisor early in their Denison careers. The department understands that transfer students, students who adopt a chemistry or biochemistry major after the first year, and students who study off-campus may have unique needs; we encourage them to contact us so that we can work together to help them achieve their academic objectives.

Approved eye protection is required in all laboratory courses.

Course Offerings

Atoms and Molecules: Structure and Dynamics (CHEM-131) This course is an introduction to the study of chemical phenomena using an "atoms-first" approach -- starting with atoms and building up to more complex molecules. Students will explore principles of atomic structure, molecular bonding and structure, electronic properties, intermolecular forces in all phases of matter, chemical equilibrium, and thermodynamics. Core concepts will be taught through active learning, and laboratory investigation will develop skills in foundational quantitative analysis (measurement, stoichiometry, error analysis) and spectroscopy. Cognitive skills in graphical and written presentation of chemistry developed in this course will be built on in subsequent courses. This course satisfies the Quantitative Reasoning requirement. Three class periods and one laboratory weekly. **1-4**

Organic Structure and Reactivity (CHEM-132) This course builds on the foundation of molecular structural and electronic properties developed in CHEM 131. Students will be introduced to chemical reactions of inorganic and organic compounds, including acid/base reactions, precipitation reactions and substitution and elimination reactions. In-depth analysis of reaction chemistry will encompass aspects of equilibrium, thermodynamics, and kinetics. The principles of conformation and stereochemistry of organic and inorganic molecules, and organic reaction mechanisms will be emphasized. Skills in presentation of scientific data, and experimental design and analysis will be developed and built on in subsequent courses. Prerequisite: CHEM 131. This course satisfies the Quantitative Reasoning requirement. Three class periods and one laboratory weekly. **4**

Introductory Topics in Chemistry (CHEM-199) A general category used only in the evaluation of transfer credit. **1-4**

Environmental Chemistry (CHEM-212) A study of the chemistry of the atmosphere, natural water, and soils with a special focus on acid precipitation, greenhouse gases, ozone depletion, urban and indoor air pollution, water and soil pollution, solid and hazardous waste disposal and risk assessment. Prerequisite:

CHEM 131 and 132. Three class periods and one laboratory weekly. This course can be used to satisfy a minor in chemistry. Safety glasses required. **4**

Intermediate Organic Chemistry (CHEM-251) This course expands upon concepts in molecular structure and behavior presented in CHEM 131 and CHEM 132 and applies them to the systematic investigation of the reactivity of organic molecules. Students will explore the transformation and reaction chemistry of organic functional groups, including alcohols, aromatics, aldehydes, ketones, carboxylic acids, and their derivatives. Reactions are explored with an emphasis on the mechanism of reactivity, and in the context of organic synthesis with a focus on the art of retrosynthetic analysis for complex targets. Laboratory experiments are selected to introduce techniques for the synthesis, purification, and analysis of organic compounds discussed in class. Offered in the fall only. Three class periods and one laboratory weekly. Safety glasses required. Prerequisite: CHEM 132. **4**

Intermediate Biochemistry (CHEM-258) A study of the major chemical processes and molecular species that characterize living organisms. Principles of molecular structure and chemical reactivity from CHEM 131, 132, and 251 will be developed in greater quantitative detail and applied to investigation of the molecular interactions that underlie cellular life. Primary emphasis will be placed on understanding the relationship between the structures of biological macromolecules (particularly proteins) and their functions. Laboratory work will consist of a series of multi-week experiments focused on the isolation and subsequent characterization of active biological macromolecules from living organisms. Offered in the spring only. Three class periods and one laboratory weekly. Prerequisite: CHEM 251 and BIOL 220, or consent. **4**

Intermediate Topics in Chemistry (CHEM-299) A general category used only in the evaluation of transfer credit. **1-4**

Chemistry & Biochemistry Assessment I (CHEM-300) A pass/fail course used to track all chemistry and biochemistry majors' completion of the required third-year departmental assessment exam. Earning the required S (pass) in this course entails completion of the assessment exam with a passing score as designated by the department. Required of all majors in the fall semester after completion of CHEM 258. Prerequisite: CHEM 258. **0**

Intermediate Inorganic Chemistry (CHEM-317) This course in inorganic chemistry investigates the structural and bonding models of molecules using concepts of symmetry and molecular orbitals. Investigation of reactions and intermolecular forces is done in the context of inorganic substances. The classroom portion includes introduction to and an oral presentation on the primary literature of the discipline while the laboratory portion includes synthesis of molecules and measurement of their properties. Three class periods and one laboratory weekly. Prerequisite: CHEM 258 or consent. **4**

Intermediate Analytical Chemistry (CHEM-331) A course of quantitative analytical chemistry, based on principles of chemical equilibrium and thermodynamics. The laboratory includes exposure to a range of gravimetric and volumetric methods along with spectroscopic, chromatographic, and electrochemical techniques for analysis. Three class periods and one laboratory period weekly. Offered fall semester only. Prerequisite: CHEM 258, or consent. **4**

Intermediate Physical Chemistry (CHEM-343) An examination of the physical properties of chemical systems from both macroscopic and microscopic points of view. Topics include thermodynamics, structure and bonding from a quantum mechanical point of view, an introduction to spectroscopy, and chemical kinetics. Three class periods and one laboratory weekly. Offered spring semester only. Prerequisite: CHEM 258, MATH 124 and PHYS 121, or consent. **4**

Directed Study (CHEM-361) Laboratory (or library) research, in consultation with a member of the chemistry faculty. Offered to juniors and seniors. Prerequisites: Consent of faculty mentor. Hours arranged. Safety glasses required. **1-4**

Directed Study (CHEM-362) Laboratory (or library) research, in consultation with a member of the chemistry faculty. Offered to juniors and seniors. Prerequisites: Consent of faculty mentor. Hours arranged. Safety glasses required. **1-4**

Independent Study (CHEM-363) **1-4**

Independent Study (CHEM-364) **1-4**

Advanced Topics in Chemistry (CHEM-399) A general category used only in the evaluation of transfer credit. **1-4**

Chemistry & Biochemistry Assessment II (CHEM-400) A pass/fail course used to track all chemistry and biochemistry majors' completion of the required senior interview. Earning the required S (pass) in this course entails completing the senior interview in good faith. Students who are not adequately prepared will be required to retake the interview. Required of all senior majors in the spring of senior year. **0**

Methods of Structural Biology (CHEM-420) This course develops and explores the methods for determining biomolecular structures: NMR spectroscopy, molecular modelling and molecular dynamics simulations, and diffraction methods. This course thus reviews and builds on the topics presented in physical chemistry and will deepen knowledge of how physical methods and theories are used in solving (bio)chemical problems. Prerequisite: CHEM 343 or consent. **4**

Advanced Topics in Biochemistry: Modern Techniques (CHEM-421) An in-depth exploration of modern techniques in biochemistry research. The focus will be on how the structure and function of biological macromolecules are investigated with a historical perspective of seminal studies leading to a detailed discussion of the most modern laboratory techniques and instrumentation. Topics will vary, but may include DNA and protein crystallography, NMR, genomics, proteomics, radiotracers, microarrays, and other topics from the current scientific literature. Three class periods and one three-hour research/writing laboratory weekly. Prerequisite: CHEM 258 and at least one CHEM or BIOL class at the 300- level, or consent. **4**

Chemical Biology (CHEM-425) This course explores modern topics associated with the interface of chemistry and biology from the point of view of chemical biologists. Topics may include combinatorial chemistry, chemical genetics, chemical proteomics, high-throughput drug screening, micro-chip display of biological molecules (DNA, peptides, carbohydrates), cell-surface modification with chemical tags or other topics taken from the chemical biology literature. Prerequisite: CHEM 258 and at least one 300 level CHEM or BIOL, or consent. **4**

Synthetic Organic Chemistry: Designing Molecules and Materials (CHEM-427) This course will explore the art of modern organic synthesis. This includes learning the chemistry behind current organic techniques and reactions, as well as gaining an understanding of design strategies to achieve complex molecules and functional materials. Students will engage with the synthesis strategies of several key pharmaceutical targets and the motivations for their exploration (drugs design). This class will also explore the fundamental principles governing the properties of modern organic materials, from compostable plastics to flat screen TVs. In addition, throughout this course students will engage in the process of proposal writing, from idea development to finished proposal. Three class periods and one three-hour laboratory weekly. Prerequisite: CHEM 317 or CHEM 331 or CHEM 343 or consent of instructor. **4**

The Chemistry and Materials of Sustainable Energy (CHEM-428) This course will explore chemical processes and materials science underlying energy conversion processes, with a focus on sustainable approaches. After an overview of the science of climate change and an analysis of current energy practices, the course will focus on renewable sources of electricity, energy storage, and sustainable production of chemical fuels. Throughout, the emphasis will be on the thermodynamics, materials science, catalysis, and (photo) electrochemical processes central to energy use and production. The course will include a semester-long research project that will require students to engage with the primary literature from a variety of sub-disciplines. Three class periods and one three-hour laboratory weekly. Prerequisite: CHEM 317, or 331, or 343, or consent.

4

Special Topics in Chemistry (CHEM-430) This advanced course in Chemistry and Biochemistry will explore current topics in the field. Prerequisite: CHEM 258 and at least one 300-level CHEM course. 4

Organometallic Chemistry (CHEM-442) This course explores the structure and reactivity of organometallic compounds. Organometallic compounds contain one or more covalent bonds between carbon and a metal. The course focuses on compounds of the transition (d-block) metals, a broad family of species which are featured prominently in modern organic synthesis, including pharmaceutical and polymer synthesis. Organotransition metal compounds exhibit modes of reactivity and structure types beyond those encountered in introductory organic chemistry. The use of modern instrumentation to characterize these compounds and their reactivity will be investigated in the classroom and laboratory. 4

Advanced Topics in Biochemistry: Diet, Metabolism, and Disease (CHEM-443) This advanced biochemistry course will explore the metabolic fates of food molecules and how these molecules affect an individual's health and predisposition towards a range of diseases. We will consider concepts of health, diet, and fitness as presented in popular culture as well as investigating their biochemical bases. The class will include a semester-long research project focusing on the interplay of diet, metabolism, and disease and will require students to become conversant with current primary research literature in the field. Prerequisite: CHEM 258 and at least one CHEM or BIOL class at the 300-level, or instructor's consent. Three class periods and one laboratory weekly. 4

Bioorganic Chemistry (CHEM-444) This course will explore the interface of organic chemistry and biology. The focus will be on how synthetic organic and physical organic techniques can be used to investigate, understand and harness the power of complex biological systems. Topics will vary, but may include synthetic analogs of natural biopolymers, expansion of the genetic code, biopolymer structural analysis via NMR, foldamers, bioorthogonal chemistry and other topics from the current scientific literature. Two class periods and one three-hour laboratory weekly. 4

Chemistry in 2D: Surface Chemistry and its applications (CHEM-446) This course will explore the chemistry and physics behind monolayers and the interfacial phenomena that control the behavior of these single molecule thick films. We will connect what we know about 3D or bulk systems (such as the thermodynamics, intermolecular interactions, and phase behavior) to a 2D surface environment. This course thus reviews and builds on the topics presented in physical chemistry. Our discussion of monolayers and surfaces will also include common measurement techniques. The second part of this course will discuss modern applications of and the use of monolayers (and bilayers) as models to study topics in biophysics and materials science. The specific applications covered will vary with student interest. Three class periods and one three-hour laboratory weekly. Prerequisite: CHEM 343 or consent. 4

Advanced Topics in Biochemistry: Nucleic acids (CHEM-449) An in-depth exploration of modern topics in the field of nucleic acids. A focus will be on macromolecular structure and intermolecular interactions between proteins and nucleic acids, and the effects of these on biological systems and scientific research.

Topics will vary, but may include restriction enzymes, RNA silencing, RNA-directed prokaryotic immunity, riboswitches, and other topics from the current scientific literature. Two class periods and one three-hour laboratory weekly. Prerequisite: CHEM 317 or 331 or 343 or consent. **4**

Senior Research (CHEM-451) Laboratory research for qualified seniors working under faculty supervision. Students who wish to qualify for graduation with honors must first enroll in these courses. Prerequisite: Staff approval. Hours arranged. Safety glasses required. **4**

Senior Research (CHEM-452) Laboratory research for qualified seniors working under faculty supervision. Students who wish to qualify for graduation with honors must first enroll in these courses. Prerequisite: Staff approval. Hours arranged. Safety glasses required. **4**

Chinese

Faculty

Associate Professor Christine Armstrong, Chair

Professor Xinda Lian; Visiting Assistant Professor Rongbin Zheng; Academic Administrative Assistant Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in all subsequent courses. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate another culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

Additional Points of Interest

General Departmental Regulations Students who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO, which is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authentic materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable; the TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector, which connects to a networked Mac computer, the DVD player and document camera.

The Language and Culture Program This exciting residential option gives students the opportunity to hone language skills and to participate in special cultural events. Students who choose this residential option will live in close community with their peers who share enthusiasm for language and culture study. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Although the Department of Modern Languages offers majors in French, German and Spanish, other languages are also offered for the purpose of general education and support of other college programs. Courses in Chinese are listed below.

Course Offerings

Beginning Chinese I (CHIN-111) A comprehensive introductory course in modern standard Chinese through the four basic skills: aural comprehension, speaking, reading, and writing. The two beginning courses will concentrate on correct pronunciation and the four tones, the writing of Chinese characters, as well as the basic grammatical patterns. 4

Beginning Chinese II (CHIN-112) A comprehensive introductory course in modern standard Chinese through the four basic skills: aural comprehension, speaking, reading, and writing. The two beginning courses

will concentrate on correct pronunciation and the four tones, the writing of Chinese characters, as well as the basic grammatical patterns. **4**

Dream and Fantasy in East Asian Literature (CHIN-206) Through close analysis of some of the most important recurrent themes, this course will examine how the Chinese and Japanese literary traditions reinvent and revitalize themselves in their development. Students will also study the distinctive features of the major genres in the two traditions. **4**

Intermediate Chinese (CHIN-211) Development of conversational skills. Comprehensive grammar will be the core of the course, along with further development of reading ability and more extensive oral practice. Prerequisite: CHIN 112. **4**

Intermediate Chinese II (CHIN-212) Further development of fluency in conversation and in reading. Emphasis on the students' ability to write Chinese characters through composition exercises. Prerequisite: 211. **4**

Special topics in Intermediate Chinese (CHIN-245) A Linguistic and Cultural topics course that introduces the Chinese language and its history from a linguistic perspective. Various topics will be covered, including, for example, Chinese dialects, language policy of Mandarin promotion, writing system, language identity, sounds of old Chinese. **4**

Intermediate Topics in Chinese (CHIN-299) A general category used only in the evaluation of transfer credit. **1-4**

Spontaneity: Taoism and Chinese Literature (CHIN-305) This course examines a special group of Chinese texts that will not only enlighten, but also delight modern readers: ancient Taoist texts written in fascinating literary style, and a variety of literary works informed with Taoist spirit. No knowledge of Chinese is required. (Normally offered in the spring) **4**

Advanced Chinese (CHIN-311) This course is designed for students who have completed two years of college-level Chinese and are ready to move on from the intermediate to the advanced level. Besides the topics provided by the textbook, students will also work on conversation topics drawn from newspaper articles and other media sources on social-cultural issues in China. By the end of the semester, students should be able to comprehend Chinese used in various contexts, to write short essays, and to discuss subject-oriented issues. Prerequisite: CHIN 212 or equivalent. **4**

Advanced Chinese (CHIN-312) This course further develops students' basic skills (listening, speaking, reading and writing) in mandarin Chinese. The emphasis is placed on vocabulary building and extended mastery of sentence structures of Modern Chinese through reading, writing, and related communicative activities. Prerequisite: CHIN 311 or equivalent. **4**

Chinese Cinema in English: A Cultural and Literary Study (CHIN-340) With the aid of modern critical theories, students will study the most representative works of Chinese cinema since the mid-1980s. By analyzing the origins, themes and styles of the films, students can hope to have a better understanding of the main cultural and literary trends in contemporary China and of modern Chinese society in general. The course will be conducted in English. **4**

Special Topics in Advanced Chinese (CHIN-345) Study of selected topics at the advanced level in Chinese. **4**

Directed Study (CHIN-361) Readings in Chinese texts. **1-4**

Directed Study (CHIN-362) Readings in Chinese texts. **1-4**

Independent Study (CHIN-363) **1-4**

Independent Study (CHIN-364) **1-4**

Cinema

Faculty

Jonathan Walley, Chair

Professor David Bussan, Associate Professors Jonathan Walley, and Marc Wiskemann; Assistant Professor Jesse Schlotterbeck, Visiting Assistant Professor Kyath Battie

Departmental Guidelines and Goals

The major in Cinema is designed for the serious student who is interested in both the history and development of film and video as art forms and the creative process of producing cinematic works. The goals of the major are to provide students with a working knowledge of the principles of production in connection with an understanding of cinema as an art form. In this regard, an understanding of cinema theory, analysis and history is essential.

Cinema Major

Required Courses for B.A.: 36 credits 104 Film Aesthetics and Analysis (4 credits), 219 Elementary Cinema Production (4 credits), 310 Intermediate Cinema Production (4 credits), 326 History of Cinema (4 credits), 410 Advanced Cinema Production (4 credits), 412 Theory of Cinema (4 credits), 407/408 Jr./Sr. Seminar (4 credits), two elective courses in Cinema (8 credits)

Cinema Minor

Required Courses: 24 credits 104 Film Aesthetics and Analysis (4 credits), 219 Elementary Cinema Production (4 credits), 310 Intermediate Cinema Production (4 credits), 326 History of Cinema (4 credits), 410 Advanced Cinema Production (4 credits), 312 Cinema Seminar or 408 Jr/Sr Seminar (4 credits)

Course Offerings

Film Aesthetics and Analysis (CINE-104) An introduction to the study of cinema as an art form. The focus is on the analysis of narrative (as well as some non-narrative forms of cinema) and film style (the elements of film technique such as editing, cinematography, lighting and color, staging, and sound). Students learn to identify these elements of cinema aesthetics and analyze the ways in which they work in a variety of different types of film, including Hollywood films, art cinema, documentary, and avant-garde/experimental film. Required weekly film screenings. Required for all Cinema majors and minors: majors and minors should complete CINE 104 by the end of their first year. **4**

Special Topics in Cinema (CINE-150) Selected topics in Cinema. **4**

Introductory Topics in Cinema (CINE-199) A general category used only in the evaluation of transfer credit. **1-4**

Elementary Cinema Production (CINE-219) An introductory digital production course exploring the nature of the cinematic medium from the point of view of production and technique, with an emphasis upon cinema as an aesthetic form. Each student will complete a series of projects in the digital format. Students are required to share in the expenses of their digital productions. Required of Cinema majors. **4**

Intermediate Topics in Cinema (CINE-299) A general category used only in the evaluation of transfer credit. **1-4**

Introduction to Animation (CINE-308) Animation is the illusion of motion created by the consecutive display of slightly varying drawings or models of static elements. In this course, students will learn the fundamentals of traditional animation techniques, as well as cover many aspects of the more experimental contemporary forms of stop-motion animation processes. Students will be given several animation "studies" over the course of the semester that will offer them experience with different types of stop-motion and computer key-framed techniques, as well as experience in story-boarding, sound recording, character movement and rig development, and post digital effects work. In addition to workshop projects, students will be exposed to outside readings and film viewings. **4**

Intermediate Cinema Production (CINE-310) An introductory course in 16mm film examining this chemical-based medium in both theory and practice. Each student will complete a series of short film projects with an emphasis on film grammar, film aesthetics, and all facets of film production. Students are required to share in the expenses of their film productions. Required of Cinema majors. Prerequisite: CINE 219. **4**

Cinema Seminar (CINE-312) The subject for these seminars varies from year to year, and offers the advanced student of cinema intensive and humanistic investigation of specialized generic, stylistic, and creative problems in the fields of film and/or video. Research papers, screenings, critical essays, readings. Prerequisite: one cinema course or consent of instructor. Repeatable. **4**

History of Cinema (CINE-326) An overview of some major trends in the history of cinema from its invention to the present. Individual films provide a basis for the exploration of the larger developments in technology, economics, politics, and culture that make up their historical context. The course also focuses on the development of critical skills for assessing arguments about film history, including analyzing written historical texts, comparing and contrasting competing historical arguments, and conducting film-historical research. The scope of the course is international, and encompasses a variety of important periods, film genres and modes, and national film movements. Required weekly film screenings. Required for all Cinema majors and minor; it is recommended that majors and minors complete CINE 326 by the end of their second year. **4**

Screenwriting (CINE-328) A workshop-style course on dramatic narrative writing for the screen. Students learn the specific format of the standard film script, but more importantly engage in critical examination of the unique nature of cinematic narrative in both feature length and short films. The course considers both classical narrative film and its alternatives, including art cinema, independent film, and the short film. Analysis of scripts and finished films alike is supplemented by readings from screenwriting manuals and scholarly writing on narrative form, addressing such things as plot structure, character, dramatic conflict, description, and dialogue. As a writing workshop, the course also emphasizes general aspects of good writing technique and the processes of editing and revision. Frequent exercises and assignments in and out of class allow students to hone specific writing skills and develop their understanding of narrative form and ability to create compelling stories. Cinema elective; open to non-majors. **4**

Directed Study (CINE-361) **1-4**

Directed Study (CINE-362) **1-4**

Independent Study (CINE-363) 1-4

Independent Study (CINE-364) 1-4

Advanced Topics in Cinema (CINE-399) A general category used only in the evaluation of transfer credit. **1-4**

Jr./Sr. Film Production Seminar (CINE-407) These seminars vary from year-to-year, and offer junior and senior cinema students intensive inquiry into specific cinematic production topics. Prerequisite: CINE 410 or consent of instructor. Repeatable. **4**

Jr./Sr. Film Studies Seminar (CINE-408) These seminars vary from year-to-year, and offer junior and senior cinema students intensive inquiry into specialized topics in film studies. Prerequisite: CINE 104 or consent of Instructor. Repeatable. **4**

Advanced Cinema Production (CINE-410) A production course designed for the advanced student of cinema. A rigorous and intensive practical course in the techniques of sound motion picture production. Working in the 16mm format, students complete a series of individual and group projects. Students learn the fundamentals of production management, camera work, sensitometry, lighting, sound recording and mixing, double-system editing, printing and laboratory processes. Students are required to share in the expenses of their productions. Required of Cinema majors. Prerequisite: CINE 310. **4**

Theory of Cinema (CINE-412) This course examines major concepts and important writings in film theory from the 1920s to the present. Students engage with a wide variety of theories: on the nature of cinema as an art form, its relationship to the other arts, its meaning-making capacities, its aesthetic and psychological powers, and its potential social and political effects. Theories are critically examined for their argumentative structures and use of evidence, and assessed in comparison to other theories. The scope of the course typically includes Modernist and realist film theories of the “classical” period, and more recent approaches to film theory informed by structuralism and post-structuralism, semiotics, Marxism, feminism, psychoanalytic and cognitive psychology, and queer theory. Required weekly film screenings. Prerequisite: CINE 104. Required for all Cinema majors; Typically only offered during the fall semester. **4**

Cinema Workshop (CINE-419) Designed for a limited number of students who have demonstrated significant ability in cinema production. The course involves students in the creation of works of cinematic art in 16mm sound format as a total process from script to screen. Some advanced video production may be permissible, by consent. Students are required to share in the expenses of their productions. Repeatable up to a limit of 16 credit hours. It should be noted that Cinema Workshop is not designed to provide professional training but rather to permit students to explore their creative abilities while employing professional tools and procedures. Prerequisite: CINE 410. **4**

Senior Research (CINE-451) 4

Senior Research (CINE-452) 4

Classical Studies

Faculty

Associate Professor Garrett Jacobsen, Chair

Professor Timothy P. Hofmeister; Associate Professor Garrett Jacobsen; Associate Professor Rebecca Kennedy; Visiting Assistant Professors Max Goldman and Vicky Kostopoulou; Academic Administrative Assistant Deborah Riley

Departmental Guidelines and Goals

The Department of Classical Studies offers courses in the languages and culture of ancient Greece and Rome. Students are introduced to the intellectual, social, and cultural achievements of classical antiquity that are the foundation for the formation and identity of modern western society. It is a curriculum that engenders both interdisciplinary approaches to knowledge and the development of analytical skills. The major and minor in Classical Studies entails an education focusing on the history and culture of classical antiquity. Whether through courses focused on classical languages, ancient history, the rhetoric of politics, the logic of philosophy, or the art of poetry, the study of classical civilization inculcates a lucidity of expression and a predilection for reason, as it inspires creativity, civic awareness, ethical behavior, and critical inquiry. The minor in Greek focuses on the language and culture of ancient Greece from the Mycenaean world of Olympian gods, kings and heroes, through the cultural and intellectual domination of the democracy of fifth century Athens, to the Hellenistic empire and legacy of Alexander the Great. The study of Greek enables students to read the original works that have defined western literature and philosophy, from the epics of Homer to the dialogues of Plato. The minor in Latin focuses on the language and culture of ancient Rome from its origins as a small village in central Italy, through its transformation into the capital of a Mediterranean and European empire, to its identity as the "eternal city" and center of Christendom. The study of Latin enables students to read and comprehend a language that has defined a literate and educated citizen of western society since the Roman Empire of the Caesars.

Classical Studies Major

Students majoring in Classical Studies must complete a minimum of nine courses or 36 credits, including courses in Classical Studies (CLAS), in either Ancient Greek (GRK) or Latin (LAT), and in other departments or programs. Specific requirements within the department include: three courses from 200-level CLAS courses; one course from the 300-level CLAS courses; two courses in either Ancient Greek (GRK) or Latin (LAT); and one semester of Senior Research, CLAS 451 or 452. For the two courses outside of the department, students must select courses that contain a significant component related to the history, culture, or influences and traditions of classical antiquity; the Chair of the department must approve any course selected to meet this requirement.

Classical Studies Minor

For the minor in Classical Studies, students must complete a minimum of six courses or 24 credits. Within the department students must take two courses from 200-level CLAS courses, and one course from the 300-level CLAS courses; and two courses in either Ancient Greek (GRK) or Latin (LAT). Outside of the department, students must select one course that contains a significant component related to the history, culture, or influences and traditions of classical antiquity; the Chair of the department must approve any course selected to meet this requirement.

Ancient Greek Minor

For the minor in Ancient Greek, students must complete a minimum of four courses in the language (GRK) or 16 credits. In addition, students must take CLAS 201 (Ancient Greece) and CLAS 211 (Ancient Greek Literature and Society) or 8 credits. Students may substitute another language course (GRK) for the CLAS 211 requirement.

Latin Minor

For the minor in Latin, students must complete a minimum of four courses in the language (LAT) or 16 credits. In addition, students must take CLAS 202 (Ancient Rome) and CLAS 212 (Latin Literature and Society) or 8 credits; students may substitute another language course (LAT) for the CLAS 212 requirement.

Additional Points of Interest

Graduate study

Students interested in pursuing graduate study in Classics should understand that such programs normally focus on the languages. Therefore, in addition to majoring in Classical Studies, students should also minor in both Ancient Greek and Latin, preferably taking a language course every semester as an undergraduate. A Ph.D. in Classics is the terminal degree for a combination of Ancient Greek and Latin. However, it is also possible to earn a Master's degree in only Ancient Greek or only Latin, in which case a Classical Studies major may minor in either Ancient Greek or Latin. Students should consult with a member of the department as early as possible if they are interested in graduate school in Classics or related fields, such as Classical Archaeology.

Eta Sigma Phi

Classical Studies sponsors a chapter of the national honorary society in Classics, Eta Sigma Phi. Membership in our local chapter requires the completion of a minimum of two courses in either Ancient Greek or Latin, a declared major or minor in the department (CLAS, GRK, or LAT), and a minimum GPA of 3.0 in the department.

Departmental Recognition

Majors in Classical Studies are eligible for Departmental Recognition of Senior Research, according to guidelines established by the college, including the completion of a yearlong senior research project (CLAS 451 and 452). Students should consult with the Chair of the department and the Registrar for specific requirements and acknowledgments.

Directed Studies

Our current curriculum includes the possibility of a minor in Ancient Greek and/or Latin. For students finishing the 111-112 sequence of a classical language at Denison, or for those beyond the 111-112 sequence, the department offers a 211 level course in the fall semester only, followed by Directed (361-362) or Independent (363-364) Studies. Faculty members in the department supervise Directed or Independent Studies, following a "tutorial" model. There is a syllabus for these courses (361-362-363-364) based on the author, topic, or genre being studied; to qualify as a course toward the minor, it must be taken for 4 credits. For Directed or Independent Studies in Ancient Greek or Latin, students must work with a faculty member in the department and receive permission from the department Chair, completing the appropriate form available from the Registrar's Office.

Course Offerings

Classical Culture (CLAS-101) This is an introductory course in the history and culture of ancient Greece and Rome, focusing on particular topics relating to classical culture, and emphasizing the analysis of textual and material evidence. 4

Ancient Greece (CLAS-201) An overview of Ancient Greek civilization from the Bronze Age to the period following the death of Alexander the Great. Greek culture was a Mediterranean phenomenon that spread in antiquity from the Aegean through Egypt and central Asia to India and became the core of education for European and American students during the 18th and 19th centuries. The course focuses on the major social and political institutions (such as the creation of the first democracy) as well as the intellectual and artistic achievements of the Greeks. 4

Ancient Rome (CLAS-202) A survey of Roman civilization from both an historical and cultural perspective. Chronologically, the course traces the development of the "eternal city" from a tiny village of mud and straw along the banks of the Tiber River in central Italy to the city of marble and bronze dominating the Mediterranean world and beyond. Culturally, we consider Rome's legacy to the western world in terms of its social and political institutions, as well as its intellectual and artistic achievements. 4

Ancient Greek Literature and Society (CLAS-211) This course is an introduction to Ancient Greek literature from the Homeric world to the Hellenistic era. Students will read the works of major authors representing a variety of genres from epic poetry to philosophical dialogues, considered in the contexts of both ancient culture and contemporary society. 4

Latin Literature and Society (CLAS-212) In this course students will study the literature of ancient Rome, analyzing texts not only for their importance to the development of Latin literature but also for their subsequent influence on later authors, from the Renaissance to the modern world. Readings will include selections from the genres of comic drama, lyric, elegy, epic and satire. 4

Classical Mythology (CLAS-221) This course is a study of the mythology of classical antiquity, with an emphasis on its representations in literature and art, and its relationship to the practice and rituals of Greek and Roman religion. 4

Topics in Classical Studies (CLAS-301) This is a seminar course on a particular historical, social or cultural topic related to classical antiquity. 4

Gender and Sexuality in Antiquity (CLAS-311) This course explores how power and status worked in the family, in politics, in labor practices, and in religious institutions during classical antiquity, focusing on the intersections of gender, class, ethnicity, and sexuality. 4

Ancient Identities (CLAS-312) This course considers the various ways the Greeks and Romans speculated about and defined human differences, as well as exploring the ways in which the ancients theorized about and manipulated their environments to achieve a desired identity. Attention is also given to how these theories were received from medieval to modern times. 4

The Classical Tradition (CLAS-321) This course focuses on the canon of ancient classical literature, both Greek and Roman, examining the tradition and reception of literary genres within classical antiquity, and considering what influences classical literature may have had on the development of later western thought and literature. 4

Classical Studies

Classical Drama (CLAS-322) This course focuses on the dramatic arts as practiced in Ancient Greece and Rome. Students will read selected plays, tragic or comic, by the major playwrights of classical antiquity, giving attention to dramaturgy, societal contexts, and influences on the development of western theater. **4**

Alexander the Great (CLAS-331) This course focuses on the study of the historical record of the life and times of Alexander the Great, examining primary and secondary sources, and placing the career and accomplishments of Alexander in the contemporary social and cultural context of Macedonia, Greece, and the Near East, as well as Alexander's influence on the Hellenistic era of classical antiquity. **4**

Imperial Rome (CLAS-332) This course focuses on the decline and fall of the Roman Republic and the establishment of the Roman Principate. Students will examine the political, social, and cultural contexts for the creation of an empire that dominated the Mediterranean world, encompassing an area stretching from Britain to Egypt. **4**

Directed Study (CLAS-361) **1-4**

Directed Study (CLAS-362) **1-4**

Independent Study (CLAS-363) **1-4**

Independent Study (CLAS-364) **1-4**

Senior Research (CLAS-451) **4**

Senior Research (CLAS-452) **4**

Elementary Greek (GRK-111) An introduction to the fundamental morphology and syntax of ancient Greek. Exercises in grammar and translation are based primarily upon quotations from Greek literature and the New Testament. No prerequisites. (Offered Fall only) **4**

Intermediate Greek (GRK-112) Advanced study of ancient Greek grammar and language. Emphasis is given to the development of translation skills by reading extended passages of Greek. Prerequisite: GRK 111. (Offered Spring only) **4**

Introductory Topics in Greek (GRK-199) A general category used only in the evaluation of transfer credit. **1-4**

Greek Prose & Poetry (GRK-211) Readings from ancient Greek. Selections range from Homer to the New Testament. Prerequisite: GRK 112 or consent of instructor. (Offered Fall only) **4**

Directed Study (GRK-361) **1-4**

Directed Study (GRK-362) **1-4**

Independent Study (GRK-363) **1-4**

Independent Study (GRK-364) **1-4**

Elementary Latin (LAT-111) An introduction to the fundamental morphology and syntax of Latin. Exercises in grammar and translation are based primarily upon quotations from Latin literature. Offered Fall. **4**

Intermediate Latin (LAT-112) An introduction to advanced grammar and the idiomatic language of Latin. Emphasis is given to the development of translation skills by reading extended passages of Latin prose and poetry. Prerequisite: Latin 111 or consent. Offered Spring. **4**

Introductory Topics in Latin (LAT-199) A general category used only in the evaluation of transfer credit. **1-4**

Latin Prose and Poetry (LAT-211) Readings from ancient and medieval Latin. Selections range from Cicero's philosophical works to the Aeneid of Vergil and some attention is given to the literature's relationship to cultural milieu. Prerequisite: LAT 112 or consent. Offered Fall. **4**

Directed Study (LAT-361) **1-4**

Directed Study (LAT-362) **1-4**

Independent Study (LAT-363) **1-4**

Independent Study (LAT-364) **1-4**

Communication

Faculty

Associate Professor Bill Kirkpatrick, Chair

Professors Suzanne E. Condray, Lisbeth Lipari; Associate Professors Amanda M. Gunn, Alina Haliliuc, Laurel Kennedy, Bill Kirkpatrick, Sangeet Kumar, Jeffrey Kurtz, Laura Russell; Assistant Professors Hsun-Yu (Sharon) Chuang, Hollis Griffin, Anna Nekola, Omedi Ochieng; Visiting Assistant Professor Sky Anderson; Instructor (part-time) Alan D. Miller; Academic Administrative Assistant Sally Scheiderer

Departmental Guidelines and Goals

The Communication Department offers a rigorous and robust curriculum that addresses three overarching areas of study: Relational Communication, Rhetoric, and Media Studies. In the tradition of the liberal arts, we encourage students to take courses from all three areas of study to amplify the complexity of communication. It is our commitment to educate autonomous thinkers who use moral discernment when addressing the issues of our time through a curriculum that engages students in intersecting media, text and interaction when analyzing meaning-making in any given context.

Our curriculum emphasizes cognitive complexity in processes of inquiry, analysis, reflection, writing, and speaking. At the 100-level, courses introduce topics of concern to the study of communication and ways of thinking about communication in the world; 200-level courses introduce theoretical perspectives, assisting students in formulating and investigating questions appropriate to the discipline as taught at Denison; 300-level courses explore theory and research that helps students utilize the power of communication perspectives and methodologies on topics important to them and to society; 400-level courses engage students in developing proficiency in and producing new knowledge that is socially significant, ethically informed, and fundamental to cultivating one's self as a life-long learner.

Throughout the curriculum we generate opportunities in many ways for students to practice what they are learning. Students practice the discipline through structured opportunities that promote original research in senior seminars, conference presentations, journal publications, and summer research. In terms of less traditional modes of practice students have multiple opportunities to address publics through speaking and writing, ethically engaging with other students from a variety of backgrounds and perspectives, using technology as

agents rather than consumers, and interrogating and rethinking the performance of the self. Insofar as "practicing" the discipline involves mindful awareness and reflection on the processes of communication that continually surround students, the department does this as a matter of course.

Communication Major

A student majoring in Communication must complete a minimum of nine courses in the department. All students must declare Communication as their major prior to taking Theorizing Communication (COMM 280) and Research in Communication (COMM 290). Both COMM 280 and COMM 290 must be taken by the end of the sophomore year and before taking upper division (300 and 400 level) courses. In addition to completing these core requirements, students must complete one course at the 100-level, one course at the 200-level, three courses at the 300-level, one course at the 400-level, and one additional course at any level.

Communication Minor

A student minoring in Communication must complete a minimum of six courses in the department. Students must declare Communication as their minor prior to taking Theorizing Communication (COMM 280) and Research in Communication (COMM 290). Both COMM 280 and COMM 290 must be taken by the end of the sophomore year and before taking upper division (300 and 400 level) courses. In addition to completing these core requirements, students must complete one course at the 200-level, one course at the 300-level, one course at the 400-level, and one additional course at any level.

Course Offerings

Public Address (COMM-101) This course is designed to help students develop skills for effective oral communication. At a minimum, students will emerge more confident on the public platform. When refined by practice and experience, the critical thinking, composition, and performance skills learned should prove most useful in personal and professional endeavors. **4**

Introduction to Writing for Print and Online (COMM-108) This course focuses on the fundamentals of reporting and writing nonfiction for print. Topics include storytelling and narrative, lead writing, point of view, information gathering, interviewing, and more. The class aims to help students develop overall research, writing, and thinking skills; questioning, listening, and interviewing skills; and a more sophisticated understanding of print journalism. Offered Fall. **4**

Ethics and Society (COMM-111) This course explores communication ethics from philosophical and applied perspectives in a variety of social contexts. Weekly theoretical discussions are grounded in applied cases that revolve around issues such as whistleblowing, free speech, group think, lying, confidentiality, privacy, coercion, and consensus. **4**

Special Topics in Communication (COMM-115) Special Topics in Communication provides a venue in which to explore in some depth an aspect or issue related to communication study. May be taken more than once by majors or non-majors to address special topics. **4**

Argumentation (COMM-122) In this course students will explore the art of inquiry and advocacy known as argumentation. In order to become better audiences and practitioners of argument, students will consider the nature of argument, the building blocks of argument and the practice of argument in public debate. **4**

Media Structures (COMM-126) This course is designed to initiate students into critical and intelligent debates surrounding the issue of communication and its pertinence to mass, modern and postmodern societies. We consider specifically how mass communication has been defined from the 19th through to the beginning of the 21st Century and how this history is relevant to issues of mass society today. Given that almost every

person in America is affected by mass culture and media, we will discuss through the lectures, discussions and exercises a number of controversial suggestions, critical paradigms and mainstream assumptions. Throughout the course, students will be expected to understand these approaches and be able to both criticize and recognize the legitimacy of these models. 4

Freedom of Speech (COMM-130) Freedom of Speech introduces students to the dimensions of oral discourse both as practiced in a community of citizens and theoretically viewed through various legal interpretations. We will examine how the first amendment rights have been defended and impinged within academic settings, throughout historical periods of political unrest and war, and in daily exchanges marked by hate, defamation and obscenity. 4

The Politics of Popular Culture (COMM-140) The terrain of popular culture has historically been a site of contentious struggles and debates. For long (as is the case even today) one's cultural "taste" was a significant factor in determining one's standing in the social hierarchy. Debates about "high" vs "low" culture and about what cultural texts and practices must stand in to represent a community have involved some of the most well known intellectuals in history. Analyzing the trajectory of these debates over the years provides us with a lens through which to understand historical social changes. It also allows us to appreciate that several contemporary debates (for instance about the cultural meaning of Hip Hop or Reality TV) have historical precedents that inform and precede them. This introductory course seeks to trace those debates from their origins in middle century Europe to their culmination into contemporary battles over popular culture. In so doing it seeks to politicize popular culture and unravel the competing ideologies and worldviews embedded within it. We begin by reading some of the prominent theorists of "high" culture and then problematize their arguments by studying the challenges to them (most stridently posed by the Birmingham school of scholars). We will then use this historical debate to inform our understanding of the contemporary world of popular culture in America. In the process we will also learn various ways to analyze and critique objects of popular culture around us that we often unthinkingly consume. 4

Why does Music Communicate? Musical Meaning as Cultural Experience (COMM-141) This course looks critically at theories that explain how and why music has meaning in our lives and in our cultures. Rather than focusing on questions of harmonic theory (as a music theory class would do) or the science of cognition (as a psychology or neuroscience class would do), it explores how musical meaning is rooted in cultural experience. As a Communication course, it explores how our everyday interactions around music—our aesthetic arguments, our uses of music to sell products and ideas, even also our uses of music to police behavior and even torture others—are deeply tied to social processes of identity, ideology, and power. Class materials and methods will be drawn from sources in music, sound studies, cultural studies, rhetoric, media studies, relational communication, and newly emerging sub-, inter-, and trans-disciplinary fields. 4

Introduction to Media Literacy (COMM-147) While most of us are proficient consumers of visual electronic media - we have the speed of symbol-recognition and comprehension skills to be adept "readers" - few of us have learned to bring to that reading the critical skills we learn in the study of literature, music or art. This course examines how sound and images construct the "realities" that media presumably represent. 4

Introductory Topics in Communication (COMM-199) A general category used only in the evaluation of transfer credit. 1-4

Global Communication (COMM-205) The purpose of the course is to acquire an understanding of the key concepts and ideas about globalization and the role the mass media plays in the process. While the term "globalization" has been bandied about among the popular press, academic and the business community, this course will attempt to contextualize and ground the concept by developing a multiperspectival approach to

some of the political, economic and social processes that have been associated with the development of a world communication system. Throughout the course, we will examine the growing centrality that the mass media and information technologies play in our daily lives and the ways in which they contribute to or hinder our daily practices of identity, community and culture in a global context. **4**

Thinking with Ethics (COMM-211) This course will help students discover how to better recognize ethical questions when they stumble across them and to explore how, when we do, we lean into them rather than turn away. What makes it possible for us to think, listen and speak with ethics? We will explore a range of public and private ethical questions that arise in the everyday lives of college students such as, for example: privacy & free speech, conformity & dissent, accountability & care, trust & truthfulness, propaganda & censorship, power & privilege, whistleblowing & secrecy, and alterity & responsibility. **4**

Special Topics in Communication (COMM-215) Special Topics in Communication provides a venue in which to explore in depth an aspect or issue related to communication study. May be taken more than once by majors or non-majors to address special topics. **4**

Theories of Group Communication (COMM-221) This course explores the communication processes in and around social, organizational and political groups. The dynamic nature of group formation, flexibility and sustainability will serve as the foundation of the course. Questions regarding the desire for belonging, how belonging gets enacted, and the tensions of group identification and membership will serve as the thread for exploring groups in a variety of contexts. **4**

Rhetoric (COMM-223) Rhetoric is the art of the spoken and written word, and its study and practice has been the foundation of a liberal education for two thousand years. It grounds the traditions and practices of politics, law, commerce and religion, and its power is felt in every sphere of public life. In this course we focus on the practice and theory of rhetoric as the medium of civic engagement, and the constituting act of self and community. **4**

Theories of Interpersonal Communication (COMM-224) This course provides students with an interpretive and critical perspective for investigating the process of our making social worlds. Students will analyze interactional patterns of communication in personal and cultural mythology, in family communication, and in college students' culture. **4**

US Broadcast History and Theory (COMM-225) This class explores the history of radio and television broadcasting in the U.S. since the 1910s, analyzing radio and television programs within their social and industrial contexts and considering the ways that these texts are understood by audiences. We will pay particular attention to the political, economic, and cultural roles of the media in twentieth-century U.S. history, drawing connections to radio and television's quickly changing present. We will also examine how history itself is researched and written, introducing you to theories and methods in historiography. **4**

New Literacy Lab (COMM-227) Digital technology is merging traditional communication modalities of voice, text, and image into ever new forms of representation and interaction, changing many aspects of our lives profoundly, not only in terms of personal and business relationships, consumer habits, work environments, and civic engagement, but even in the ways we understand ourselves, relate to each other, and form identities. Students will explore the creative potential of these communication forms in a lab practicum closely tied to the exploration of their existential impact in theory readings and class discussions. **4**

Mediating Gender and Sexuality (COMM-229) In this class we will examine and evaluate the cultural construction and representation of gender and sexuality in contemporary American mass media, and trace their development throughout the 20th century. We will focus on a variety of mass-produced commercial media texts, surveying television, magazines, advertising, and popular music. Although gender is the primary

identity construction examined in this course, we will also pay close attention to other aspects of identity that define American women, such as ethnicity, class, and sexuality. We will investigate representational issues in relation to their political repercussions, and draw from a broad range of academic literature, including feminist television criticism, film theory, cultural studies, communication theory, and popular music criticism. Cross-listed with QS 229 and WGST 229. **4**

Theories of Public and Private Performance (COMM-232) How do we perform our identities in everyday life? What role does everyday performativity play in constituting us as raced, gendered, and classed subjects? How do cultural performances (musical concerts, sporting events, or dance) help us better understand ourselves and our society? In this class we examine a range of theories that see private behaviors and public performances as rehearsed, audience-oriented, and creative acts. Theorists such as Erving Goffman, Judith Butler, Pierre Bourdieu, and Victor Turner will guide our examination of both "everyday" performativity (in regard to bodily stigma and identities of class, race, gender, and sexuality) and cultural performances (such as musical concerts, sporting events, and dance). Students will learn how to analyze their own behavior as a cultural text and to discern the textual, acoustic, and embodied dimensions of cultural performances. They will practice illuminating how performances can reinforce or disrupt the social order, while creating the self in community. **4**

Media Theory (COMM-234) In this course, we think critically about the political, economic, and cultural dimensions of media forms (e.g. television programs, viral videos) and practices (e.g. sending text messages, participating in social media networks). In readings, screenings, written assignments, and discussions you develop a working knowledge of different intellectual traditions used to study media. From the very start, the course pushes past simplistic, binary assessments of media consumption as being either "good" or "bad." Instead, we survey the complicated routes through which media forms and practices inform people's understandings of themselves and the world around them. Organized into three units, the course aims to provide you with conceptual frames for 1) understanding the relationship between media and culture, 2) identifying how media make claims to represent truth and authenticity, and 3) comprehending the role of media in ideological conflict. Throughout the term, you are asked to question many ideas and beliefs that people take for granted: that media are "bad" for children, that some television programming is "realistic," or that we could ever exist outside the web of mediated communication that informs our day-to-day lives, even if we wanted to do just that. The overarching aim of the course is nuance – a deeper understanding of media, and a refined critical lens of assessing its role in contemporary life. **4**

Racialized Perspectives of Media (COMM-239) This course critically examines the forms that racial and ethnic representations have taken in American media. The course will attempt to chart changes in public perception of racial and ethnic difference in the context of cultural and social transformations, as well as adjustments in the U.S. media industry. We will first establish a foundational knowledge of media criticism and explore theories and perspectives on how ethnicity is experienced in American culture. We will then focus on the topic of the representation of ethnicity in American media, surveying it historically, in relation to specific ethnic groups, at particular moments, and in a variety of genres. **4**

Theories of Intercultural Communication (COMM-244) This course examines the processes and politics of intercultural communication in both domestic and international contexts. Students will enhance their cross-cultural awareness by exploring differences in value orientations, thought patterns and (non)verbal behaviors, challenges of transition and adaptation across cultures, identity management in intercultural settings, intergroup relationship development and conflict resolution, and intercultural communication competence and ethics. Throughout the course, special considerations will be given to power and privilege issues in bridging differences and embracing diversity. **4**

Communication and Technology (COMM-250) This course is designed to examine the impact of the Internet and information technology on our daily lives. Advanced technology becomes a normal part of life and creates new contexts for communication. This class goes beyond technical and how-to-issues to investigate how new media affects our communication practices with others. Over the semester we will focus on issues relating to mediated communication and advanced communication technology. Particular topics discussed include media effects, relationships, identity, agency, distanciation and genesis. This course is designed for students who already have basic experience with computers and the Internet. **4**

Visual Communication (COMM-255) This course explores how we perceive and interpret the images and visual texts that we encounter. The course introduces perspectives from visual intelligence, media aesthetics, and visual rhetoric, while offering students opportunities to employ these perspectives in analyzing a range of visual mediums. **4**

Theorizing Communication (COMM-280) This course introduces students to selected theoretical perspectives and vocabularies for understanding human communication. This course is designed to both introduce and provide an overview of the discipline of communication studies. First-Year or sophomore standing or consent. Required of all majors and minors. **4**

Research in Communication (COMM-290) The purpose of this course is to expose students to major research methods used in the communication discipline. The course will sensitize students to issues in the field, familiarize students with types of research methods used in the discipline and enable students to formulate research questions, and design appropriate studies to answer those questions. In addition, the course will facilitate students' ability to understand the logic and process of research and to engage in critical analyses of reports and studies published in communication journals. First-year or sophomore standing or consent. Required of majors/minors. **4**

Intermediate Topics in Communication (COMM-299) A general category used only in the evaluation of transfer credit. **1-4**

Organizational Culture (COMM-306) This course is informed by the claim that communication is the means through which we construct, participate, and convey the cultures of which we are a part. The constitutive nature of communication is explored by investigating an existing organizational culture through an application of communication concepts and theories, cultural studies theories, and qualitative research methods. Prerequisite: COMM 280 and 290, or consent. **4**

Media Historiography (COMM-307) Media Historiography introduces students to the processes of conducting historical research in communication and media studies. Using mediated communication from past eras, the course will provide students with the analytical tools necessary to situate literature, film, television, and popular music in their historical milieus. Students will be encouraged to see media forms from prior eras as sites where meaning is contested, not just simple reflections of a period's prevailing politics. In written work, students will practice the methodologies used by communication and media scholars to interrogate these sorts of questions: archival research, ethnography, and formal analysis. Through these written assignments, as well as readings, screenings, and class discussions, students will consider mediated communication as evidence of the dynamic, disputed political, economic, and cultural forces at work in prior eras. Prerequisite: COMM 280 and 290. **4**

Ethics and the Public Sphere (COMM-311) This course explores the intersection between communication ethics and political communication in the context of democratic pluralism. After being introduced to the central themes, questions, and literatures of discourse ethics and dialogic philosophy, students then explore the relationships between response and responsibility, and ethics and politics, in deliberative public spheres. Prerequisite: COMM 280 and 290, or consent. **4**

Listening, Thinking, Being (COMM-313) Although we know listening is central to communication, we rarely think about it. In this course we place listening at the center of communication and explore a range of sound environments and listening practices including auditory cultures, acoustic ecology, animal communication, film sound, music, human dialogue, and deaf cultures. Rather than focus on technical questions such as how to be a more effective listener the course asks the basic question of how we listen and explores the indissoluble relationships between listening, speaking, thinking, and being. Along the way, we will also consider the cultural, philosophical and ethical dimensions of listening. Prerequisite: COMM 280 and 290, or consent. **4**

Special Topics in Communication (COMM-315) These classes focus intensively upon a particular aspect of communication. May be taken more than once for elective credit as an upper division course. Prerequisite: COMM 280 and 290, or consent. **4**

Language, Culture, and Communication (COMM-320) This course is based on an understanding that culture is maintained through systems of meaning, and that communication is the sharing of meaning between people. This course explores the many ways in which language, culture, and communication interact with, influence, and manifest each other. It investigates the relationships between these three constructs using the tools of linguistic anthropology, semiotics, and cultural theory to gain a better and deeper understanding of the taken-for-granted aspects of our social worlds. During the semester, students will examine the cultural influences of language on communication, social functions of language, cultural signs and codes, spoken language, dialects, bilingualism, and multiculturalism. This course is designed to encourage students to synthesize core course concepts and apply them to everyday lives in critical and creative ways. Prerequisite: Communication major or minor; COMM 280 and 290. **4**

The Rhetoric of Citizenship (COMM-324) This course explores the symbolic dimensions of the American public discourse about rights and citizenship. Students will undertake historical and rhetorical examinations of the key texts and issues that give these their tone and tenor. Prerequisite: COMM 280 and 290 or consent. **4**

Narrative Ethics (COMM-325) This course will examine how narrative and storytelling shape meanings and perceived values for personhood. We will explore an array of philosophical perspectives such as those of Paul Ricoeur, Jerome Bruner, and Arthur Frank. Concurrently, we will examine storytelling in multiple contexts including children's books, court cases, health incidents, media anecdotes, and everyday conversations. Through investigating these various contexts, we will develop different approaches to defining and applying narrative communication. Specifically, we will practice reflexive methodology by cross-examining our personal lives in the context various ethical perspectives and dilemmas. In doing so, we will address questions such as: Are stories lived before or after they are told? What is the relationship between narrative and reality? What role does narrative serve in developing moral understandings and guiding ethical practices? These questions will be addressed during class discussions, as well as in written assignments entailing personal narratives, co-authored standpoints, and creative projects that respond to the ethical issues surfaced throughout the course. Prerequisite: COMM 280 and 290, or consent. **4**

Researching Self as a Cultural Participant: Autoethnography (COMM-326) Autoethnography as a methodology and a form of writing involves turning the "researcher's lens onto self." In this course we will read and discuss numerous autoethnographic examples, intrapersonal/interpersonal communication concepts, cultural studies theories and ethnographic methods so that you can conduct and write an autoethnography about your own social/political location. This course will require you to dig deep and explore your own lived experiences in the interest of developing insight into relevant cultural ideologies and practices. **4**

Communication Law (COMM-328) Communication Law examines the constitutional and statutory principles associated with the First Amendment issues of free speech and free press. The course examines legal decisions, governmental regulatory doctrines, and self-regulatory practices which inform First Amendment law. Particular topics discussed include censorship, obscenity and pornography, libel law, privacy, governmental secrecy, free press/fair trial, regulation of telecommunications, advertising and the Internet. Prerequisite: COMM 280 and 290, or consent. **4**

Gender and Communication (COMM-329) This course focuses on (1) the role of interpersonal, social and political communication in the construction of gender expectations in American culture, and (2) how those expectations get communicated/performed, and thus reified, in our daily lives. We will explore the complex interplay between self expectations and social expectations of gender that get expressed, challenged, and ultimately influenced by and within a variety of social and interpersonal contexts: education, the body, organizations, friends and family, romantic relationships, the media, and politics. Cross-listed with WGST 329 and QS 329. Prerequisite: COMM 280 and 290, or WGST major. **4**

Digital Technology and Cultural Change (COMM-333) The world of communication continues to change rapidly, and with it, the cultural landscape. New avenues of social connection, political action, and creative production are clashing with powerful financial, legal, and political forces, and the outcomes of these clashes are far from certain. This class explores the possibilities for cultural change that digital technology presents and the social and economic struggles over the future of our culture. Prerequisite: COMM 280 and 290, or consent. **4**

Exploring Rhetorical Texts (COMM-344) This course examines the art of rhetorical criticism. In becoming a practicing rhetorical critic, students will learn to situate, interpret, and judge historical and contemporary public persuasive discourse. Topics include the nature of criticism and the role of the critic, the process of contextual reconstruction, key issues in textual reading, and methods of rhetorical analysis. Prerequisite: COMM 280 and 290, or consent. **4**

Cultural Globalization and Identity (COMM-345) This course will critically engage with the phenomenon of the global circulation of culture. It will seek to understand the consequences of the process whereby texts, ideas and images that for long remained confined to their locations of origin are today increasingly mobile and de-territorialized. Objects of popular culture such as television, cinema and music, are circulating and being consumed around the world and are helping challenge the traditional markers of human identity such as nation, culture and language. While they are allowing individuals to imagine alternatives to existing realities they are also engendering a backlash against a perceived imposition of new ideas, values and culture. This course will seek to familiarize students with these ongoing changes and the conflicts over cultural and national identity that it has given rise to. We will begin with arguments that present a totalizing view of this process (the Cultural Imperialism thesis) and then over the course of the semester complicate and nuance those arguments by introducing agency and empowerment for the consumers of global culture. We will do this by closely studying actual case studies (from reality TV in Saudi Arabia or McDonalds in Japan) in order to understand the stakes involved in the struggle to define and "protect" national and cultural identity. At the end of this semester long course students should have gained a deep understanding of why the process of global flow of culture is a deeply contentious and political phenomenon. Understanding these conflicts through the lens of identity will help students complicate that term as well as interrogate their views about their own identity. Prerequisite: COMM 280 and 290; majors and minors only. **4**

The Trouble with Normal: Normalization, Discourse and Power (COMM-349) One of the primary ways that social power and control are exercised is through the establishment and enforcement of "norms": gender norms, racial norms, sexuality norms, norms of able-bodiedness, norms of beauty and body size, and more. This course delves deeply into the theoretical literature of normalization, especially the work of Michel

Foucault, and applies it to a wide range of topics including sexuality, disability, gender roles, body size, and more. The course is cross-listed with QS 349. Prerequisite: COMM 280 and 290, or QS 101 and QS 201 or QS 300, or consent. **4**

Advanced Journalism (COMM-350) This course allows students to explore the planning, reporting, and writing of in-depth news stories. It also explores the ethical considerations of such projects. The organic and collaborative process provides students the opportunity to hone their writing skills by focusing on the importance of story structure and content. Prerequisite: COMM 108 or 280 or 290, or consent. Offered Spring. **4**

Directed Study (COMM-361) **1-4**

Directed Study (COMM-362) **1-4**

Independent Study (COMM-363) **1-4**

Independent Study (COMM-364) **1-4**

Advanced Topics in Communication (COMM-399) A general category used only in the evaluation of transfer credit. **1-4**

Special Topics Seminar (COMM-401) These seminar courses focus intensively upon a particular aspect of communication. Recent examples include Visual Culture and Media and Cultural Policy. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Language, Identity and Politics: Discourse and the Public Sphere (COMM-402) This course examines the role of language and discourse in constructing, maintaining and transforming identities, publics and politics in late 20th century democracies. Throughout, we will consider the relationship between language use and unequal relations of power. We will begin with an introduction to discourse studies and explore discourse as symbolic power, social practice and ideology. Next, we will examine the role of discourse in constructing and maintaining identities and communities, including those of subaltern and marginalized publics. Finally, we will examine and critique the role of discourse in public sphere(s) from Afrocentric, feminist and queer perspectives. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Culture and Communication (COMM-403) This seminar takes a historical and critical approach to understand the role communication plays in creating various cultural experiences. Topics include: How can we best understand and study the construction of "culture" through a communication lens? What does "American culture" mean within a pluralistic and diverse society? How are different cultural voices created, heard or erased? How is "America" constructed from international scholars' perspectives? Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Media and the Presidency (COMM-404) This course examines the relationship between the media and the American presidency from both a historical and contemporary perspective. The seminar focuses on the historical dynamics of the relationship, the role of institutional factors in White House coverage, the influence of presidential press coverage on public perception of the presidency, and the influence of the media on presidential election campaigns. Resources and texts represent a diversity of views among scholars, journalists and presidential administration personnel. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Rhetoric and Social Movements (COMM-406) This course focuses on the historical rhetorics of discontent and transformation. Students will examine the characteristics and functions of persuasive discourse produced by social movements; the ways in which symbolic action sought to shape perceptions of concrete realities.

Communication

Of particular interest will be the intersection of cultural context, biography, and creative rhetorical strategy. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Critical Perspectives in Communication (COMM-408) This course is designed to acquaint students with criticism as a method for answering research questions in communication. Students will be provided with opportunities to apply various methods in the writing of essays analyzing various kinds of communication texts - both discursive and non-discursive. Public communication via public speaking, broadcast, film and print media as well as art, architecture and music will be among the texts examined over the course of the term. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

International Communication (COMM-409) This seminar examines the nature of information flows within and between nations, the issues raised by such communication, and the institutions involved and patterns evident in the development of and relations between nation-states. The course explores issues surrounding the constituent role that the news and entertainment media have played in the formation and maintenance of the nation-state. Topics raised will include uses of information in domestic and foreign policy, the extension of cultural imperialism, corporate invasion of privacy, and incursions upon sovereignty and national security. In examining the resolution of such issues, the course analyzes how nations' power is distributed and utilized among multiple forces. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Rhetoric and the American Experience (COMM-413) This course explores the American rhetorical tradition and some of the speakers, ideas, and movements that have given American rhetorical tradition its voice and texture. We will read broadly and deeply key oratorical texts from the nineteenth century to the present and examine the scholarship that has attempted to explain these acts of symbolic influence. Our work will culminate in the drafting and thorough revising of article-length research essays. Students will be invited throughout the seminar to stretch and refine their voices as working rhetorical scholars. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Conflict and Communication (COMM-415) A study of how the use of communication during the process of social interaction creates and resolves conflict. The course will explore theories relating to the nature of conflict, strategic negotiation models, issues revolving around third party intervention, and other topics related to the current research in peace, reconciliation, conflict and communication theory. Prerequisite: Majors and minors must take COMM 280 and 290, and at least one 300 level COMM course, or consent. **4**

Communication Research Seminar (COMM-421) This course is a seminar capstone that fulfills the Writing Intensive requirement for seniors. Topics will cover areas related to the Communication discipline and vary by instructor. As a W Communication Senior Seminar, this course requires substantial writing and research. By the end of the semester students will have written multiple developmental assignments that build upon one another leading to the creation of a coherent original argument based upon careful evidence-based analysis, accurate and succinct theoretical synthesis, and logical, cogently developed sub-arguments. Prerequisite: COMM 280 and 290. **4**

Senior Research (COMM-451) 4

Senior Research (COMM-452) 4

Computer Science

Faculty

Professor Lewis D. Ludwig, Chair

Professors Jessen Havill, Joan Krone; Associate Professors Thomas C. Bressoud, R. Matthew Kretchmar, Ashwin Lall; Assistant Professors Jaimie Kelley, David White; Academic Administrative Assistant Dee Ghiloni

Departmental Guidelines and Goals

Computer Science is the study of algorithmic problem solving in both theoretical and applied areas. The major in Computer Science is designed to enable students to become well-rounded in these areas, and well-prepared for either graduate study or work in a variety of fields. Emphasis is placed on core concepts, analytical thinking, and problem solving throughout the curriculum.

In addition to a broad complement of introductory courses, the department regularly offers advanced courses in artificial intelligence and robotics, computer systems and networking, algorithm analysis and the theory of computation, software engineering, computer game design, and computational biology. Students have opportunities to conduct research through the Anderson Summer Research program and/or a senior research project.

Students interested in a Computer Science major should take an introductory course (CS 109, 110, 111, or 112) followed by CS 173 by the end of the first year. In rare circumstances, a student may complete this sequence during the sophomore year. Majors should also take CS 234 and Math 123 during their first year.

Computer Science Major

The core courses in Computer Science are an introductory course (CS 109, 110, 111, or 112), CS 173, 181, 215, 234, 271, 281, 371, and Math 123. All Computer Science majors must complete these courses.

Each 300-level Computer Science course is designated as Applied, Systems, or Theory. The Applied courses are CS 309, 314, 337, 339, 349, and 391. The Systems courses are CS 345, 372, 373, 374, 375, and 377. The Theory courses are CS 334 and 335.

Bachelor of Arts Degree The minimum requirements for a Bachelor of Arts degree in Computer Science are the core courses plus two additional Computer Science courses at the 300 or 400 level (excluding 361-362 and 363-364). One of the 300 or 400 level electives must be a Systems course and the other must either be a Theory or Applied elective.

Bachelor of Science Degree The minimum requirements for a Bachelor of Science degree in Computer Science are the core courses, CS 372, and four additional Computer Science courses at the 300 or 400 level (excluding 361-362, and 363-364). The electives must include at least one Theory elective and one Applied elective. Students may substitute Math 242 for one of these additional courses. We strongly recommend that Bachelor of Science candidates also take Math 124 and Math 210, and one or more of Math 231, 232 and 242. A yearlong senior research project may count as one elective toward the major.

Computer Science Minor

A minor in computer science consists of an introductory course (CS 109, 110, 111, or 112), CS 173, 181, 234, 271, and Math 123.

Computational Science Concentration

Computational Science is the field of study concerned with constructing mathematical models and numerical solution techniques, and using computer algorithms and simulation to analyze and solve scientific, social scientific, and engineering problems. The Computational Science concentration consists of four core courses - MATH 124, 231, CS 173, one of CS 109, 110, 111, or 112 - and an additional course at the 200-level or above. This additional course, which may be in another department, must have a strong and persistent mathematical modeling or computing component and must be approved in advance by the Mathematics and Computer Science Department. In addition, students must take a two semester sequence of courses in a department other than Mathematics and Computer Science. A written plan for completing the concentration must be approved by the Mathematics and Computer Science Department prior to enrollment in the elective course. In particular, the elective course and cognate requirements above must be chosen consistently with a valid educational plan for the study of Computational Science (as defined above). Any mathematics major who wishes to complete this concentration must choose a computer science course as their elective course. Any computer science major who wishes to complete this concentration must choose a mathematics course for their elective course. A double Mathematics and Computer Science major is not eligible for this concentration.

Additional Points of Interest

Students who intend to continue with graduate study in Computer Science should pursue the Bachelor of Science degree.

Computer Science students should be adept at not only solving problems through the implementation of computer programs, but also in communicating those solutions to a wide variety of audiences. Students should learn the proper use of documentation to share their programs with users and other computer scientists, be prepared to compose proofs and analyses of their algorithms, and have opportunities to write formal papers.

The Anderson Foundation and the Denison University Research Foundation (DURF) support qualified students conducting summer research. For off-campus research opportunities in Computer Science, see the Oak Ridge Science Semester described at <http://denison.edu/academics/oak-ridge>.

Off-Campus Study The Department of Mathematics and Computer Science strongly encourages students to globalize their education by completing some portion of their undergraduate education abroad. A majority of Denison students spend a semester abroad during their junior year and many more spend a summer (or two) abroad. Denison offers a wide range of opportunities to study off-campus that are highly relevant to your Denison experience.

Going abroad allows students to enhance their knowledge while experiencing another culture and way of life. Students gain valuable experience that will benefit future career goals and/or graduate school opportunities. Math and Computer Science majors who are fluent in another language will have special advantages in the job market.

Course Offerings

Discovering Computer Science (CS-109) This course is an introduction to computational problem solving. In each instance of the course, students will develop their abilities to abstract and model problems drawn from a particular application domain, and generate elegant and efficient solutions. Students will practice these skills by developing computer programs to solve these applied problems. The course will cover programming fundamentals, as well as the development of algorithms and data manipulation techniques related

to the chosen application area. Students may earn credit for at most one of CS 109, 110, 111, and 112. Absolutely no prior experience is necessary. **4**

Discovering Computer Science: Digital Media and Games (CS-110) This course is an introduction to computational problem solving. Students will develop their abilities to abstract otherwise complex problems and generate elegant and efficient solutions. Students will practice these skills by developing computer programs that manipulate digital images and sounds. These skills will prove applicable not only in subsequent computer science courses but in numerous other fields. Students may earn credit for at most one of CS 109, 110, 111, and 112. Absolutely no prior experience is necessary. **4**

Discovering Computer Science: Scientific Data and Dynamics (CS-111) This course is an introduction to computational problem solving. Students will develop their abilities to abstract (or model) otherwise complex problems and generate elegant and efficient solutions. Students will practice these skills by developing computer programs that solve problems motivated by research in the sciences. Additional topics may include Monte Carlo methods, data analysis, population dynamics, computational biology, genetic algorithms, cellular automata, networks, data mining, and fractals. Students may earn credit for at most one of CS 109, 110, 111, and 112. Absolutely no prior experience is necessary. **4**

Discovering Computer Science: Markets, Polls, and Social Networks (CS-112) This course is an introduction to computational problem solving. Students will develop their abilities to abstract otherwise complex problems and generate elegant and efficient solutions. Students will practice these skills by developing computer programs that solve problems that arise in the social sciences. Topics such as social networks, population modeling in economics, data collection via polling, voting systems, game theory, and Congressional polarization will be discussed in the context of computational problem-solving. Absolutely no prior experience is necessary. Students may earn credit for at most one of CS 109, 110, 111, and 112. **4**

Seminar: Programming Problems (CS-119) Students meet weekly to solve a challenging programming problem. Strategies for solving problems will be discussed. Used as a preparation for programming contests. Prerequisite: CS 173. Offered Fall. **1**

Intermediate Computer Science (CS-173) A study of intermediate level computer science principles and programming techniques with an emphasis on abstract data types and software engineering. Topics include recursion, sorting, dynamic memory allocation, basic data structures, software engineering principles, and modularization. Prerequisite: CS 109 or 110 or 111 or 112. **4**

Data Systems (CS-181) This course provides a broad perspective on the access, structure, storage, and representation of data. It encompasses traditional database systems, but extends to other structured and unstructured repositories of data and their access/acquisition in a client-server model of Internet computing. Also developed are an understanding of data representations amenable to structured analysis, and the algorithms and techniques for transforming and restructuring data to allow such analysis. Prerequisite: CS 109, 110, 111, or 112. **4**

Introductory Topics in Computer Science (CS-199) A general category used only in the evaluation of transfer credit. **1-4**

Topics in Computer Science (CS-200) Each semester, the department offers a mini-seminar devoted to a particular application or programming language. Topics have included: relational database and SQL, software engineering, Advanced C++, cryptography, and parallel programming. Prerequisite: CS 173. **1**

Technical Communication I (CS-215) This course aims to enhance mathematics and computer science students' proficiency and comfort in orally communicating content in their disciplines. Students will present

three talks during the semester on substantive, well-researched themes appropriate to their status in their major. Corequisite a 200-level mathematics or computer science course. **1**

Mathematical Foundations of Computer Science (CS-234) The goal of this course is to provide an understanding of the mathematical techniques that underlie the discipline of computer science. In this course, students learn mathematical proof techniques, such as induction and proof by contradiction, and how to write rigorous proofs. It also serves as an introduction to the fundamentals of the theory of computation. Models of computation, namely finite automata and Turing machines, are studied with the goal of understanding what tasks computers are and are not capable of performing. Prerequisite: MATH 123 or 124, and CS 109, 110, 111, or 112. **4**

Data Structures (CS-271) In this course, students study a variety of data organization methods, and implement and analyze the efficiency of basic algorithms that use these data structures. Course topics include lists, stacks, queues, binary search trees, heaps, priority queues, hash tables, and balanced trees. Students will also be introduced to basic functional programming in LISP. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Intermediate Computer Science (CS 173) and a grade of C or higher in Mathematical Foundations of Computer Science (CS 234). Prerequisite: CS 173 and 234. **4**

Introduction to Computer Systems (CS-281) The Introduction to Computer Systems course provides a perspective into how computer systems execute programs, store information, and communicate. It enables students to become better problem solvers, especially in dealing with issues of performance, portability and robustness. It also serves as a foundation for courses on operating systems, networks, and parallel computing, where a deeper understanding of systems-level issues is required. Topics covered include: basic digital logic design and computer organization, machine-level code and its generation by compilers, performance evaluation and optimization, representation and computer arithmetic, and memory organization and management. Prerequisite: CS 173. **4**

Intermediate Topics in Computer Science (CS-299) A general category used only in the evaluation of transfer credit. **1-4**

Computational Biology (CS-309) Computation has gained a strong foothold in modern biology. For example, DNA and peptide sequences are now routinely analyzed using computational methods to determine both function and phylogenetic relationships. In addition, computational molecular dynamics simulations are used to study protein folding and why proteins sometimes misfold, leading to disease. And ecological simulations are used to better understand the effects of environmental damage. This interdisciplinary course will explore this broad area, examining the biology and the computational methods behind problems like these. The laboratory portion of the course will involve students working together in multidisciplinary groups to design algorithms to investigate these problems, as well as undertaking a self-designed capstone project at the end of the term. This course is classified as an applied elective. Prerequisite: CS 173 and either CS 271 or MATH 231. Students are also encouraged to take one or more courses in the Biology core (BIOL 210, 220, 230). Course is cross-listed with BIOL 309. **4**

Game Design (CS-314) This course is about the computer science and theory of game design as well as practical game development. It covers computer science concepts such as 3D projection and transformation, rasterization, texture-mapping, shading, path-finding, and game theory, as well as game design topics such as mechanics, elements, theme, iteration, balance, documentation, and interest curves. A significant component of the course consists of prototyping computer games. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as an applied elective. Prerequisite: CS 271. **4**

Technical Communication II (CS-315) This course is a capstone experience in oral and written communication for mathematics and computer science majors. Students will research a substantive topic, write a rigorous expository article, and make a presentation to the department. Prerequisite: Math/CS 215. Corequisite: a 300-400 level mathematics or computer science course. **1**

Theory of Computation (CS-334) This course will continue from where CS 234 left off in studying computers as mathematical abstractions in order to understand the limits of computation. In this course, students will learn about topics in computability theory and complexity theory. Topics in computability theory include Turing machines and its variations, the Universal Turing machine, undecidability of the halting problem, reductions, and proving undecidability of other problems. Topics in complexity theory include the classes P and NP, NP-completeness, and other fundamental complexity classes. This course is classified as a theory elective. Prerequisite: CS 234 and 271. **4**

Probability Computing and Graph Theory (CS-335) This course is about the design and analysis of randomized algorithms, (i.e. algorithms that compute probabilistically). Such algorithms are often robust and fast, though there is a small probability that they return the wrong answer. Examples include Google's PageRank algorithm, load balancing in computer networks, coping with Big Data via random sampling, navigation of unknown terrains by autonomous mobile entities, and matching medical students to residencies. The analysis of such algorithms requires tools from probability theory, which will be introduced as needed. This course also covers the basics of graph theory, and several randomized algorithms on graphs. Graphs are often used to mathematically model phenomena of interest to computer scientists, including the internet, social networks graphs, and computer networks. Lastly, this course demonstrates the powerful Probabilistic Method to non-constructively prove the existence of certain prescribed graph structures, how to turn such proofs into randomized algorithms, and how to derandomize such algorithms into deterministic algorithms. This course is classified as a theory elective. Prerequisite: CS 271 or MATH 232, MATH 210, and one of CS 109, 110, 111, or 112. **4**

Operations Research (CS-337) This course involves mathematical modeling of real-world problems and the development of approaches to find optimal (or nearly optimal) solutions to these problems. Topics include: Modeling, Linear Programming and the Simplex Method, the Karush-Kuhn Tucker conditions for optimality, Duality, Network Optimization, and Nonlinear Programming. This course is classified as an applied elective. Prerequisite: CS 271 and MATH 231. **4**

Artificial Intelligence (CS-339) A survey course of topics in Artificial Intelligence including search, formal systems, learning, connectionism, evolutionary computation and computability. A major emphasis is given to the philosophy of Artificial Intelligence. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as an applied elective. Prerequisite: CS 271 or MATH 231 or consent. **4**

Parallel Systems and Programming (CS-345) This course examines the fundamental programming and principles involved in parallel computing systems. Issues of concurrency, synchronization, and communication involved in many such systems will be explored, from multicore desktop systems to using high-threaded general purpose graphics processors to large scale clusters involving hundreds of computing elements. Multiple programming paradigms will likewise be explored, including shared memory systems, message passing systems, and data parallel systems like those used in the processing of "big data." This course is classified as a systems elective. Prerequisite: CS 181, 271, and 281. **4**

Software Engineering (CS-349) Students will apply their theoretic background, together with current research ideas to solve real problems. They will study principles of requirements analysis, methods of designing solutions to problems, and testing techniques, with special emphasis on documentation. The depart-

ment strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as an applied elective. Prerequisite: CS 271 and 281. **4**

Directed Study (CS-361) 1-4

Directed Study (CS-362) 1-4

Independent Study (CS-363) 1-4

Independent Study (CS-364) 1-4

Algorithm Design and Analysis (CS-371) In this course, students study in depth the design, analysis, and implementation of efficient algorithms to solve a variety of fundamental problems. The limits of tractable computation and techniques that can be used to deal with intractability are also covered. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). Prerequisite: CS 234, 271, and junior/senior status. **4**

Operating Systems (CS-372) A study of the principles of operating systems and the conceptual view of an operating system as a collection of concurrent processes. Topics include process synchronization and scheduling, resource management, memory management and virtual memory, and file systems. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as a systems elective. Prerequisite: CS 181, 271, and 281. **4**

Programming Languages (CS-373) A systematic examination of programming language features independent of a particular language. Topics include syntax, semantics, typing, scope, parameter modes, blocking, encapsulation, translation issues, control, inheritance, language design. A variety of languages from different classes are introduced. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as a systems elective. Prerequisite: CS 181, 271, and 281. **4**

Compilers (CS-374) A study of regular and context-free languages with the purpose of developing theory to build scanners and parsers. The class will develop its own structured language and construct a working compiler. An examination of compiler construction tools. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as a systems elective. Prerequisite: CS 181, 271, 281, and 334. **4**

Computer Networks (CS-375) A study of computer network architecture and protocols. Topics include packet and circuit switching, datalink, network and transport layer protocols, reliability, routing, internetworking, and congestion control. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as a systems elective. Prerequisite: CS 181, 271, and 281. **4**

Database Systems (CS-377) A study of the design, implementation and application of database management systems. Topics include the relational data model, physical implementation issues, database design and normalization, query processing and concurrency. The department strongly recommends that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as a systems elective. Prerequisite: CS 181, 271, and 281. **4**

Robotics (CS-391) An introductory course in both hardware and software aspects of robotics. Students will learn the basics of manipulators, sensors, locomotion, and micro-controllers. Students will also construct a small mobile robot and then program the robot to perform various tasks. The department strongly recommends

that students enrolling in this course have earned a grade of C or higher in Data Structures (CS 271). This course is classified as an applied elective. Prerequisite: CS 271 and 281. **4**

Advanced Topics in Computer Science (CS-399) A general category used only in the evaluation of transfer credit. **1-4**

Advanced Topics in Computer Science (CS-401) Topics may include Computer Graphics, Neutral Networks, Advanced Algorithms, Network Security or other subjects of current interest. **4**

Advanced Topics in Computer Science (CS-402) Topics may include Computer Graphics, Neutral Networks, Advanced Algorithms, Network Security or other subjects of current interest. **4**

Advanced Topics in Computer Science (CS-403) Topics may include Computer Graphics, Neutral Networks, Advanced Algorithms, Network Security or other subjects of current interest. **4**

Senior Research (CS-451) **4**

Senior Research (CS-452) **4**

Dance

Faculty and Staff

Visiting Assistant Professor Michael J. Morris, Acting Chair

Professor Sandra Mathern-Smith (MFA); Professor Gill Wright Miller (PhD); Assistant Professor Stafford C. Berry, Jr. (MFA); Visiting Assistant Professor Michael J. Morris (PhD); Visiting Assistant Professor Molly Shanahan (MFA); Resident Musician and Composer Matthew Dixon (BA); Academic Administrative and Production Assistant, Beth White (BA)

Mission Statement and Goals

We believe that vital dance artists and scholars develop from independent thinkers who are committed to cultivating a personal aesthetic and artistic focus, and who resourcefully engage in original research and commit to the construction of knowledge. Our mission supports the development of student artists/scholars who are informed citizens and responsible agents of positive change in a world where the moving arts are essential. Our goal of exposing students to cutting edge and experimental dance practices from diverse cultures and with global perspectives is embedded in our curriculum and ideology. The focus of our movement practices intentionally centralizes Modern/Postmodern Dance and African/African-Diasporan forms, shifting the paradigm of dance education away from a ballet-centered model. The integration of embodied practices with scholarly inquiry is integral to our mission.

Writing within the Major: Both dance scholars and dance artists come to better understand their ideas and those of others through writing. We focus our teaching of writing on experiential and conceptual ideas prompted by, and about, the body, to generate precise description and sophisticated analysis. Our aim is to hone students' observation and reflection skills, and ability to document these intelligently and concisely through writing.

Student Learning Goals; Students will be able to:

- Broaden perspectives through risk taking, embracing ambiguity, and exposure to a range of choreography and performance.
- Synthesize knowledge and generate new, independent and original theoretical and creative projects.
- Demonstrate multifaceted practical, analytical, and reflexive understanding of languages, history, and the cultural significance of dance's various bodily-kinesthetic forms.
- Employ various methods for describing, discerning, analyzing, labeling, and categorizing human movement.
- Be proficient movers in a combination of aspects of embodied movement practices, at the intermediate level, at a minimum.
- Demonstrate a fluency in disciplinary vocabularies both orally and written that is evident across coursework and utilized within the body of student's senior research.
- Use basic 21st century technology including digital equipment and software applications in order to access and document artwork, and to use it appropriately to market or create within those media.

Requirements for the Major in Dance (B.A. Degree)

36 credits minimum The Bachelor of Arts degree in Dance reflects a philosophy that integrates principles of theory and practice resulting in the discovery of an original voice. "Movement Practices" courses engage students in dance technique and performance work, and in learning and applying physical skills to the creation and reconstruction of African/Diasporan and modern/postmodern dance. "Dance Studies" courses emphasize creating, moving, recording, reading and writing, exposing the fundamental patterns of skilled movement acquisition, generating close textual analysis of specific movement forms, practicing dance making, and culturally contextualizing the diversity of dance forms. Advanced Studies courses provide opportunities to deepen and integrate through independent research. In all courses, the boundaries between practice and theory are purposefully blurred, indicating our commitment to a liberal arts curriculum rather than a conservatory model. Denison University works to make study abroad possible for all students. Studying dance abroad allows students to experience another culture and way of life through the lens of movement and dance studies. These opportunities integrate the department's mission and make possible a deepening understanding and expansive perspective on movement in a global context. We encourage students to visit the Off-Campus Study office to explore their options. Additional Points of Interest: The General Education requirements include two, 4-credit-hour courses, in two different departments in the Fine Arts Division. All Movement Practices courses, except "Performance-Student" (DANC 424, 434, 444) may accumulate credit toward a G.E. Fine Arts requirement. For example two movement practice courses such as DANC 132 and 232, will fulfill one G.E. Fine Arts requirement. Any Dance Studies course fulfills one G.E. Fine Arts requirement.

Movement Practices: All dance majors must take a minimum 12 credits in Movement Practices, combining coursework in any combination. Possibilities include:

- African/Diasporan Level II or III, 2 credits (DANC 222, 322) or Performance, .5-1 credit (DANC 422/424)
- Modern/Postmodern Level II or III, 2 credits (DANC 232, 332) or Performance, .5-1 credit (DANC 432/434)

Dance Studies: All dance majors must take at least one course in three separate areas of inquiry, comprising a minimum of 12 credits (4 credits per course) in Dance Studies. Our dance curriculum offers four areas of inquiry. Possibilities include:

- Critical Historical and Cultural Inquires - Recent examples include: Dancing Gender and Sexuality; The Body in Performance; The African/African American Aesthetics.
- Compositional Studies: Choreographic Investigations; African Movement Aesthetics; Improvisation and Performance; Site-Based Work; Text/Voice-Based Work

- Human Movement Investigations: Somatics I; Somatics II
- Movement Analysis: Labanotation; Labananalysis; Reconstruction

Advanced Studies: All dance majors must also enroll in a minimum of 12 additional credit hours. These 12 credits shall be comprised of three requirements:

- Any 4 credit hours that deepen a student's experience/knowledge in a chosen area of interest. This may include:
 - A series of Movement Practices courses (at the 200-level or above) that total 4 credit hours
 - An additional course in Dance Studies (at the 200-level or above)
- Senior Research 451 (Proposal: Thesis and Methodology) (4 credits)
- Senior Research 452 (Execution: Investigation and Presentation) (4 credits)

Requirements for the Minor in Dance (B.A. Degree)

24 credits minimum The Dance minor is designed to accomplish two objectives: (a) encourage those new to dance to access this course of study, and (b) avail those interested in a narrow study of dance to design a minor that suits their interests. Beyond a reduced number of credit hours, the main differences between the major and minor are these:

- Majors may not include any 100-level courses in the fulfillment of the requirements; Minors may include any 100-level courses for fulfillment of the requirements.
- Majors must include at least three of the four categories of inquiry; Minors may select any course regardless of distribution.
- Majors must complete a senior research project; Minors are not required to complete a senior research project.

Movement Practices: All dance minors must take any combination of 12 credits in Movement Practices (any genre at any level). Possibilities include:

- African/Diasporan Level I, II or III, 2 credits (DANC 122, 222, 322) or Performance, .5-1 credit (DANC 422/424)
- Modern/Postmodern Level I, II or III, 2 credits (DANC 132, 232, 332) or Performance, .5-1 credit (DANC 432/434)

Dance Studies: All dance minors must take any three courses, resulting in 12 credits in dance studies (selected from any area).

- Critical Historical Inquiries: Dance as an Art Form; Dancing Gender and Sexuality; The Body in Performance; The African/African American Aesthetics
- Compositional Studies; Choreographic Investigations; African Movement Aesthetics; Improvisation and Performance; Site-Based Work; Text/Voice-Based Work
- Human Movement Investigations: Somatics I; Somatics II
- Movement Analysis: Labanotation; Labananalysis; Reconstruction

Additional Points of Interest

The General Education requirements include two, 4 credit-hour courses, in two departments in the Fine Arts Division. All Movement Practices courses, except "Performance-Student" (DANC 424, 434, 444) may accumulate credit toward a G.E. Fine Arts requirement. Any Dance Studies course fulfills one G.E. Fine Arts requirement.

When registering, please follow these general guidelines:

- All 100 level courses assume no previous experience with Movement Practices or Dance Studies.

Dance

- All 200-level courses assume a review of the fundamentals of the languages and practices of the sub-discipline will be necessary, including a review of library searches and basic digital technology. Level II Movement Practices courses are appropriate for students with significant previous experience in dance training, even if not in the genre being offered.
- All 300-level courses require independent thinking and processing. Level III Movement Practices courses require two semesters at the 200-level in the same genre, or permission of the instructor.
- All 400-level Movement Practices courses are by audition or invitation only.
- It is expected that a student will enroll in the same level movement practice course for two or more semesters. This repetition is permissible by the Registrar.
- Performance courses will not accrue additional fees from the University, even if the student is already at the limit of credit hours for that semester.

Course Offerings

African/Diasporan Dance I (DANC-122) African/Diasporan Dance I focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, African American vernacular, Hip-Hop, Contemporary African, etc.). Taught from a cultural perspective, this course emphasizes fundamentals such as fluidity, use of the head, spine and pelvis, grounded and weighted qualities, isolations and complex embodied rhythms. Concert attendance, short written critical responses and weekly written journals are examples of outside work that is required. Cross-listed with Black Studies. No previous dance experience is expected. **2**

Modern/Postmodern Dance I (DANC-132) Modern/Postmodern Dance I is designed for students with no dance experience. Offering an introduction to basic movement ideas, classes are structured with initial floor warmup sequences, followed by standing exercises and phrase work. Students will be challenged with self awareness while moving and to develop a basic understanding of and sensitivity to dynamics, phrasing, gravity and weight, and to become attentive to their own movement potential. Exercises emphasizing placement, flexibility and strength are taught. Attention to the body, breath, momentum and the use of gravity for efficiency is emphasized and improvisation is introduced. In addition to movement work, class time may include video viewings of moments in modern dance history, short readings, creative movement projects and quizzes. Concert attendance, short written critical responses, and short composition assignments are examples of outside work that is required. **2**

Dance as an Art Form (DANC-174) Dance as an Art Form is open to students with an interest in dance in practice and in theory. It serves to introduce students to the many sub-disciplines and theoretical approaches in the field of dance. No dance experience is necessary. Students will engage in various Movement Practices and Dance Studies areas, depending on the faculty's expertise, while considering dance as a historio-socio-cultural mode of expression within a fine arts agenda. Whenever possible, field trips to live concerts will be included and are required as additional "texts" for this course. Students should be prepared to commit to 2-4 field trips over the course of the semester. **4**

Special Topics in Dance (DANC-194) 2-4

Introductory Topics in Dance (DANC-199) A general category used only in the evaluation of transfer credit. **1-4**

Seminar in Production (DANC-210) Seminar in Production focuses on many aspects of dance concert production. Topics covered include budgeting, marketing, graphic design, costume design/construction, lighting design for dance, box office and house management, video documentation, scheduling and backstage production. Professionals/faculty will guest lecture in the various subfields. Students will collaborate in the

production of major department-sponsored events, working as technical crew for evening events. This course demands hands-On real-life learning. Limited readings are assigned. A portfolio of completed work is required.

4

Performance Workshop (DANC-211) The technical aspects of producing a concert are applied through practical experience. Performance space preparation, generally termed the "load-in" (hanging lights, laying the floor and building audience space) and the designing of lights, costumes, and publicity are taught or deepened by means of application. Students are awarded credit based on the number of hours of involvement. Students with Seminar in Production (DANC 210) or similar appropriate training or experience will be given preference in this course. .5-2

African/Diasporan Dance II (DANC-222) African/Diasporan Dance II focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, Hip-Hop, African American vernacular, contemporary African, etc.). Taught from a cultural perspective, this course deepens exposure to fundamentals and aesthetics with complex phrasing and multi-layered movement. Emphasis is placed on fluidity, use of the head, spine, and pelvis, grounded and weighted qualities, isolations and complex embodied rhythms. Limited work outside the classroom is required. Examples include concert attendance, focused relative research inquiries, weekly journal writing, and video essays. Cross-listed with Black Studies 223. Level II is only open to students with previous dance experience in any genre. Prerequisite: DANC 122, 132, 232, or consent. 2

Modern/Postmodern Dance II (DANC-232) Modern/Postmodern Dance II is designed for students with a sound background in dance training and a general understanding of placement and basic dance movements. Classes are structured with initial floor warm-up sequences, followed by standing exercises and phrase work. Students will be challenged with self-awareness while moving and to develop a basic understanding of and sensitivity to focus, dynamics, phrasing, gravity and weight, and distinct movement qualities, and to become attentive to their own movement potential. A focus on flow, spherical space and the ability to move in and out of the floor will be integral to this class, as will clarity and efficiency of movement. Limited work outside the classroom is required. Examples include concert attendance, focused historic/cultural research inquiries, weekly journal writing, and video essays. Level II is only open to students with previous dance experience in any genre. Prerequisite: DANC 122, 132, 222, or consent. 2

Cultural Studies (DANC-274) We will frame Western concert dance as a complex political activity made public through various agendas of race, creed, national origin, sexuality, and gender. Students may simultaneously be exposed to poststructuralist epistemology, feminist theory, and power & justice ideology while they are meeting a survey of historical works. In this way, the course is less about coming to know a canon of "masterworks" and more about learning how to interrogate dance in many cultures from multiple perspectives. Students will be expected to engage in movement activities as a method toward an embodied understanding of theory, but will not be evaluated on their movement performance or ability. No dance experience necessary. May be cross-listed with Women's and Gender Studies, Black Studies and/or Queer Studies. 4

Choreographic Investigations (DANC-284) This course focuses on the creation and presentation of assigned short movement studies that focus on principles of dance composition for the concert stage. Past focus has been on the relationship of movement to sound, interrogating the use of music in modern dance history. Through solo, duet and group forms students learn about the compositional elements of space, time, dynamics, flow and shape, discover their own unique movement style, become familiar with how the body works and how it can be expressive, and expand their own definitions of dance. Three fundamental aspects of creative work in movement will be emphasized: movement invention, compositional structure, and creating meaning. A desire to take risks and be transformed, a willingness to use the body as an expressive tool, an eagerness to learn, and willingness to question personal choices are essential for success in this class. An interest,

ability and a desire to be physically challenged to work toward expressive clarity in movement, is assumed. Prerequisite: 100 level movement course. **4**

African Movement Aesthetics (DANC-285) This course engages characteristics and values of African movement to investigate compositional structure. Through various exercises and assignments, students examine concepts such as: balance, walking, masking, rhythm, repetition, improvisation, standing and sitting as tools for composing. Students investigate the manipulation of space, time and energy, and create source material from personal movement exploration, structured improvisation, master classes, and guided exercises. Other course tools include videos, journals, art and community feedback. Ultimately, the course aims to re-source the aesthetics of African movement (kinesthetic, philosophical, linear and nonlinear) as methods for composing solo, duet, and group work. Prerequisite: Any 100 level or above movement course or permission of instructor. **4**

Improvisation in Performance (DANC-286) Improvisation in Performance focuses on the act of spontaneous choreography and composition through solo and ensemble work with the goal of understanding and experiencing improvisation in performance work. Students learn Ensemble Thinking techniques and are exposed to Contact Improvisation. Texts include performances in theatre and dance both here and in Columbus, as well as selected readings. Students discover, through these, what artists and scholars consider to be the perimeters of performance, the definition of improvisation, and the unique potential of movement. Through a consistent practice, students fine-tune their own ideas about these and work to discover their own movement preferences and capabilities. Students risk the act of moving, revealing, performing, and improvising. The semester culminates in an improvised performance work developed by the class. Prerequisite: Any 100 level or above movement course or consent. **4**

Site-Based Composition (DANC-287) In this course, students study and research composition for the human body in relation to its environment, placing and shaping the body in juxtaposition or in relation to specific and chosen spaces. We study site-based performance works by contemporary artists and learn about the issues surrounding this kind of work. The underlying principles of this course are the formal elements that inform the aesthetics of composition, noticing how these basic compositional elements create tension, drama and meaning and can point to content that is inherent in the form and in relation to the environment. The final project is the creation of a site-based movement/performance work in a chosen site in the Denison Community/Granville Village area that is presented at the end of the semester. An interest in and curiosity about the body as the subject of creative work is essential. Prerequisite: Any 100 level or above movement course or consent. **4**

Text/Voice-based Composition (DANC-288) This course engages text, voice, and theatrical material to investigate dance making and performance. Students explore words, poetry, music and sound to craft and support movement. Through various exercises and assignments, the course examines motifs such as: speaking while moving; chanting while moving; words into movement; and words as music as methods for composing. Work outside the classroom is required. Examples include concert attendance, creative writing, weekly journal writing, and video essays. Ultimately, the course aims to overlap the boundaries of theatre and dance to explore movement composition. Prerequisite: Any 100 level or above movement course or consent. **4**

Special Topics in Dance (DANC-294) From time to time, according to the expertise of the faculty and the interest of the students, special courses that can address intensive study are arranged and offered. This course can be taken more than once for credit. Courses recently offered are Writing about Dance, Dance/Draw, Contact Improvisation, Music for Dance, Creative Collaboration in the Arts, Modernism Re-Composed, and "Music/Movement/Interaction." Whether this course substitutes in the major or minor for an "area study," and if so for which one, depends on the topic. Generally, these courses will fulfill a major or minor requirement.

Intermediate Topics in Dance (DANC-299) A general category used only in the evaluation of transfer credit. **1-4**

African/Diasporan Dance III (DANC-322) African/Diasporan Dance III focuses on African-centered forms of dance in one of many possible genres across the African Diaspora (e.g., traditional African forms, dances of the African Diaspora, African American vernacular, Hip-Hop, contemporary African, etc.). Taught from a cultural perspective, it is designed for students with significant experiences in African/Diasporan dance technique. This course approaches technique holistically and provides students with the rigorous practice required for performance. Emphasis is placed on fluidity, use of the head, spine, and pelvis, grounded and weighted qualities, isolations, and understanding or complex embodied rhythms. Because this course meets approximately 6 hours per week, little outside work is required. Cross-listed with Black Studies 327. Prerequisite: One year or two semesters of DANC 222 or consent. **2**

Modern/Postmodern Dance III (DANC-332) Modern/Postmodern Dance III is designed for students with significant experience in modern, postmodern, or contemporary dance training. This course provides the student with the rigorous training required for performance, demands an attitude that anticipates professionalism, and will continue to develop strength, flexibility, endurance, and sensitivity to gravity, momentum and phrasing. A willingness to think broadly about movement, to be open to new perspectives and possibilities and to take risks and be fully engaged without knowing exactly what you are doing will be essential and encouraged. This class will focus on process and will ask students to consider how they move and why. Students will be challenged to discover their own movement potential and methods for accomplishing physical tasks. Prerequisite: One year or two semesters of DANC 232 or consent. **2**

Directed Study (DANC-361) Individual pursuits in (1) composition/improvisation/choreography, (2) history/cultural studies/criticism, (3) somatics/systems of movement re-education, or (4) movement analysis/reconstruction, under the supervision of a faculty member. Only those students who have had the initial coursework in that pursuit may apply. **1-4**

Directed Study (DANC-362) Individual pursuits in (1) composition/improvisation/choreography, (2) history/cultural studies/criticism, (3) somatics/systems of movement re-education, or (4) movement analysis/reconstruction, under the supervision of a faculty member. Only those students who have had the initial coursework in that pursuit may apply. **1-4**

Independent Study (DANC-363) **1-4**

Independent Study (DANC-364) **1-4**

Somatics I (DANC-374) Through various approaches to learning (memorizing factual information, sharing personal body-centered stories, drawing evocative and descriptive images, and moving through guided developmental movement explorations), students are introduced to anatomy and kinesiology in their own bodies. The course materials approach the body primarily from a first-person stance through different kinds of movement activities in relation to reflexes and developmental material through skeletal, muscular, and neurological systems. Students are required to keep weekly journals, work in small study groups in and out of class, and create a series of personal bodywork sessions for themselves to illustrate their command of anatomical and kinesiological terminology and reasoning based on the principles of basic neurological patterns.

4

Somatics II (DANC-375) This course will guide students on an extended journey deep into their own somatic experiences. The course materials are designed each time this course is offered to employ various somatic practices centered on individual movement challenges. Students are required to keep weekly journals,

Dance

work in semi-private explorations both in and out of class, and create a series of personal bodywork sessions for themselves to illustrate their progress. Prerequisite: DANC 374. **4**

Laban Movement Analysis (DANC-384) Students explore aspects of Effort, Shape, Space, and Body as defined in the Laban tradition. Materials focus on observing, analyzing, and recording any kind of human movement practice. All students should expect to create movement studies and to motif their work as part of this inquiry. Interest in creating and observing qualities of movement practice is essential. Dance experience is helpful, but not required. **4**

Labanotation (DANC-385) Students explore various approaches to the analysis of movement—including but not limited to Laban Movement Analysis—with a focus on aspects of Effort, Shape, Space, and Body as defined in the Laban tradition. Materials focus on observing, analyzing, and recording human movement. All students should expect to create movement studies and to record their work using notation systems as part of this inquiry. Interest in creating and observing qualities of movement practice is essential. Dance experience is helpful, but not required. **4**

Reconstruction (DANC-386) This course functions like a performance course, reconstructing dance movement from a score for inclusion in a public performance. The 4-credit course is distinguished from a 2-credit performance course in that students will be not necessarily perform, but will be responsible for the reconstruction of the choreography. They will meet for the standard 4 hours per week (56 contact hours) as well as be responsible 4 hours/week in rehearsal with other student dancers and work 4 hours/week on assignments. The 168 hours (56 contact hours with the advisor, 56 out-of-class hours, and 56 hours with peer rehearsing) will also be "loaded" into Weeks #2-#10 of the semester, allowing the course to end before the semester concludes. The work can be performed publicly only with permission of the copyright holder of the dance. **4**

Special Topics in Dance (DANC-394) From time to time, according to the expertise of the faculty and the interest of the students, special courses that can address intensive study will be arranged and offered. This course can be taken more than once for credit. Courses recently offered are Contact Improvisation, Music for Dance and Creative Collaboration in the Arts. **2-4**

Advanced Topics in Dance (DANC-399) A general category used only in the evaluation of transfer credit. **1-4**

Performance: African/Diasporan (DANC-422) New and reconstructed works choreographed by faculty and guest artists in African/Diasporan dance are learned by students and rehearsed for public performance. Participation can include attending biweekly company classes and contributing to the production of the performance. Differences in course number refer to genres of performance work. By audition or invitation only; auditions are typically held during the first two weeks of each semester or immediately preceding a short residency by a guest artist. Cross-listed with Black Studies 422. **1**

Performance: African/Diasporan (Student) (DANC-424) Participation as a cast member in the choreographic research process of new and reconstructed works in African/Diasporan forms created by students who have completed adequate choreographic studies coursework. Student participants learn and rehearse these student-generated projects for public performance. The project is supervised by faculty. Enrollment is by audition or invitation only. Auditions are arranged by the student choreographer, often during the first two weeks of each semester. **.5**

Performance: Modern/Postmodern (DANC-432) New and reconstructed works choreographed by faculty and guest artists in modern/postmodern dance are learned by students and rehearsed for public performance. Participation can include attending biweekly company classes and contributing to the production of perform-

ance. Differences in course number refer to genres of performance work. By audition or invitation only; auditions are typically held during the first two weeks of each semester or immediately preceding a short residency by a guest artist. .5-1

Performance: Modern/Postmodern (Student) (DANC-434) Participation as a cast member in the choreographic research process of new and reconstructed works in Modern/Postmodern forms created by students who have completed adequate choreographic studies coursework. Student participants learn and rehearse these student generated projects for public performance. The project is supervised by faculty. Enrollment is by audition or invitation only. Auditions are arranged by the student choreographer, often during the first two weeks of each semester. .5

Performance: Ballet (DANC-442) New and reconstructed works choreographed by faculty and guest artists in ballet are learned by students and rehearsed for public performance. Participation can include attending biweekly company classes and contributing to the production of the performance. Differences in course number refer to genres of performance work. By audition or invitation only; auditions are typically held during the first two weeks of each semester or immediately preceding a short residency by a guest artist. 1

Performance: Ballet (Student) (DANC-444) Participation as a cast member in the choreographic research process of new and reconstructed works in Ballet forms created by students who have completed adequate choreographic studies coursework. Student participants learn and rehearse these student-generated projects for public performance. The project is supervised by faculty. Enrollment is by audition or invitation only. Auditions are arranged by the student choreographer, often during the first two weeks of each semester. .5

Senior Research (DANC-451) This course, offered every fall, is designed to address the research and methodological needs of all senior dance majors and those minors choosing to undertake independent research in this or another department. The integration of movement and analytical course work through the intensive examination of a specific interest is the foundation for the senior dance major's own research. This investigation includes methodologies from books like *Researching Dance* by Hanstein and Fraleigh and *Contemporary Choreography* by Butterworth and Wildschut. This investigation, serving as preparation for DANC 452, is closely guided by the faculty. All students in the course conclude by writing a substantial prospectus or grant proposal including a focused artist or research statement and review of the relevant literature. All majors are required to take both semesters of Senior Research (DANC 451 and 452). 4

Senior Research (DANC-452) This course, offered every spring, is required of all dance majors. This course focuses on the completion of a senior research project and integrates movement and analytical course work through the intensive examination of a specific interest. This course is the foundation for the senior dance major's own research. During the course of the semester's work, each student will write up a significant dance research experiment, produce several excerpts of historical works in concert, create and produce an original choreographic work, or comment on a period in dance's history or a sociological movement in dance, or the like. The resultant document/performance will be presented publicly for an identified audience in partial fulfillment of the degree requirements. Prerequisite: DANC 451. Open to dance majors only. 4

Data Analytics

Faculty

Professor Jessen Havill (Computer Science), Director

Assistant Professors Anthony Bonifonte, Sarah Supp; Academic Administrative Assistant Dee Ghiloni

Committee Laura Boyd (Economics), Michael C. Brady (Political Science), Erin Henshaw (Psychology), Matthew Neal (Mathematics)

Affiliated Faculty Thomas C. Bressoud (Computer Science), Paul A. Djupe (Political Science), Fareeda Griffith (Anthropology and Sociology), Ashwin Lall (Computer Science), Andrew C. McCall (Biology), David White (Mathematics and Computer Science)

Departmental Guidelines and Goals

Global connectivity and innovative technologies generate vast amounts of information that contribute to our understanding and evaluation of nature, human behavior, institutions, society, and beyond. This explosion of evidence to present and address problems is informing major decisions in academe, government, and the private sector. Those with an ability to work with quantitative and qualitative data, big and small, to identify puzzles, consider probing questions, evaluate claims, make inferences, and posit answers will be well positioned to expand knowledge, influence policy, and to be decision makers of the future.

The major in data analytics will provide you with a solid core of mathematics and computer science, followed by four specially designed data analytics courses. Most of these courses are project-based, employing analytic methods, as well as ethics and interdisciplinary research skills, practiced in a variety of application domains. In addition, you will take the skills learned in the classroom and practice them in an internship in a professional setting, and then pursue a capstone project informed by this experience.

Data Analytics Major

The major in Data Analytics (DA) requires a minimum of 44 credits of coursework and a community practicum/internship experience, normally undertaken in the summer before the senior year.

The requirements include:

- Introduction to Data Analytics (DA 101)
- Discovering Computer Science (CS 111 or 112)
- Single Variable or Multivariable Calculus (MATH 123 or 124)
- Data Systems (CS 181)
- Applied Statistics (MATH 242)
- Practicum in Data Analytics (DA 301)
- Advanced Methods for Data Analytics (DA 350)
- Seminar in Data Analytics (DA 401)
- Data analytics summer internship (approved by the Data Analytics Committee)

- Three or more electives from one of the participating departments, including at least one quantitative methods course. The purpose of this 3-elective concentration is to give students disciplinary knowledge that they can carry into their internship and senior seminar.

A student may satisfy these electives in one of three ways.

- I. First, a student may concentrate their electives in one of the following disciplines by taking all of the courses for that discipline, as listed below.

Anthropology and Sociology (3 courses)

- ANSO 100
- ANSO 351*
- ANSO 343 or 347

Biology (4 courses)

- BIOL 210, 220, and 230
- BIOL 356* (Biostatistics) or 309* (Computational Biology)

Economics (4 courses)

- ECON 101 and 102
- ECON 301 or 302
- ECON 407* (requires ECON 307 or MATH 242)

Physics (3 courses)

- either PHYS 121 and 122 or PHYS 125, 126 and 127
- PHYS 312*

Political Science (3 courses)

- POSC 201*
- any two of POSC 213, 307, 309, and 311

Psychology (3 courses)

- PSYC 100
 - PSYC 200*
 - PSYC 2XX/3XX (except research courses, 370, 410, 361-364, 451-452)
- II. Secondly, a student may take any two of the above analytics-intensive courses (starred), and one additional course in the list above from the same department as one of those analytics-intensive courses.
 - III. Finally, a student may submit an individualized elective plan to be considered for approval by the Data Analytics Committee.

Additional Points of Interest

The major in Data Analytics is available to students in the class of 2019 and later.

Students who want to acquire deeper technical skills in data analytics may take additional advanced courses such as Mathematical Modeling (MATH 232), Operations Research (CS/MATH 337), Artificial Intelligence

(CS 339), and Statistical Modeling (MATH 401). Students may also pursue a second major in Computer Science or Mathematics. Due to some course overlaps, these options require only 6-7 additional courses.

Course Offerings

Introduction to Data Analytics (DA-101) Many of the most pressing problems in the world can be addressed with data. We are awash in data and modern citizenship demands that we become literate in how to interpret data, what assumptions and processes are necessary to analyze data, as well as how we might participate in generating our own analyses and presentations of data. Consequently, data analytics is an emerging field with skills applicable to a wide variety of disciplines. This course introduces analysis, computation, and presentation concerns through the investigation of data driven puzzles in wide array of fields – political, economic, historical, social, biological, and others. No previous experience is required. **4**

Practicum in Data Analytics (DA-301) Utilizing Denison as a model of society, this practicum set in a seminar will explore questions of collective import through the analysis of new and existing sources of data at Denison. A problem-driven approach will lead to the acquisition of new, appropriate data analytic skills, set in an ethical context that carefully considers the implications of data display and policy recommendations on community members. A significant component of the course is working with policymaking and implementing professionals on campus and developing presentation skills appropriate for professional communication with the public. Though a significant learning opportunity itself, this course should also be seen as a prelude to a community internship in the post-Junior year summer. Prerequisite: CS 111 or 112, and DA 101, and either MATH 242 or a disciplinary research methods course. **4**

Advanced Methods for Data Analytics (DA-350) This course is designed to develop students' understanding of the cutting edge methods and algorithms of data analytics and how they can be used to answer questions about real-world problems. These methods, and the underlying models, can be used to learn from existing data to make predictions about new data. The course will examine both supervised and unsupervised methods and will include topics such as clustering, classification, and network analysis. Prerequisite: CS 181 and DA 301, or consent. **4**

Directed Study (DA-361) **1-4**

Directed Study (DA-362) **1-4**

Independent Study (DA-363) **1-4**

Independent Study (DA-364) **1-4**

Seminar in Data Analytics (DA-401) This is a capstone seminar for the Data Analytics major in which students work collaboratively on research projects. Problems may drive from internship experiences, courses of study at Denison, or other sources subject to instructor approval. Heavy emphasis will be placed on providing ongoing research reports and collective problem solving and review. Prerequisite: DA 301, CS 181, MATH 242, a disciplinary methods course, and a DA internship. **4**

Senior Research (DA-451) **4**

Senior Research (DA-452) **4**

Denison Seminars

Program Guidelines and Goals

Denison Seminars are specially designed courses offered each semester focusing on topics that integrate and transcend traditional departmental, programmatic, and/or divisional boundaries. Denison Seminars are liberal arts courses that are directed toward a broad and diverse audience. They have no prerequisites and no structural limitations, however, enrollments in Seminars are limited to 8-16 students with sophomore or junior standing. Denison Seminars are innovative, exciting opportunities open to all Denison sophomores and juniors.

Course Offerings

Denison Seminar (DS-200) Denison Seminars are classes that engage 8 - 16 highly motivated sophomore and junior students in interdisciplinary, extradisciplinary, or integrative topic(s) that transcend traditional departmental, programmatic, and/or divisional boundaries. Denison Seminars are liberal arts courses that are directed to a broad and diverse students audience. These classes require no prerequisites and have no other structural limitations. Each Denison Seminar satisfies a divisional GE requirement based on the instructor's home division. **4**

Denison Seminar (DS-251) Denison Seminars are classes that engage 8 - 16 highly motivated sophomore and junior students in interdisciplinary, extradisciplinary, or integrative topic(s) that transcend traditional departmental, programmatic, and/or divisional boundaries. Denison Seminars are liberal arts courses that are directed to a broad and diverse students audience. These classes require no prerequisites and have no other structural limitations. Each Denison Seminar satisfies a divisional GE requirement based on the instructor's home division. DS 251 also counts toward major/minor requirement in the instructor's home Department. **4**

East Asian Studies

Faculty

Michael Tangeman, Chair

Wei Cheng (Music), John Cort (Religion), John Davis, (Anthropology and Sociology), Xinda Lian (Chinese), Catherine Stuer (Art History), Taku Suzuki (International Studies), Michael Tangeman (Japanese), Shao-Yun Yang (History), Rongbing Zheng (Chinese), Yumiko Tashiro (Japanese)

Departmental Guidelines and Goals

To graduate with a degree in East Asian Studies requires a balance of courses in Chinese or Japanese language study with courses selected from a variety of departments, focusing on the East Asian region (normally defined as China, Japan, Korea, and Vietnam). Study in China or Japan for a semester or a year on an approved program is encouraged. Every senior major will research a topic chosen by the student in consultation with professors from two disciplines.

A Minor in East Asian Studies

The twenty-eight credits to fulfill the East Asian Studies minor include: two semesters of intermediate Chinese or Japanese, the two core courses, and three additional courses chosen from category III (see below). Only one independent study course, or one comparative course will count towards the minor.

A Major In East Asian Studies

Majors will choose courses in consultation with a faculty advisor. In their senior year students will apply the methodologies of two disciplines to a research topic normally focusing on China, Japan, or their interaction. The major requires: (1) two semesters of intermediate Chinese or Japanese, (2) two core survey courses, one from II.a. and one from II.b., (3) five area studies courses with a maximum of two from III.b and c combined, and (4) a senior research project, that in conjunction with the other requirements, will total forty credit hours. Advisors can help the student select which courses in approved study-abroad programs will meet the requirements below.

1. Language requirement: two semesters of intermediate Chinese or Japanese course work, or the equivalent. Majors are encouraged to begin their language work at Denison during their first year.
2. Two Core Courses surveying both:
 - i. Traditional
 - East (History) 141: Traditional East Asian Civilization (normally offered in the spring)
 - East (Chinese) 206: Dream and Fantasy in East Asian Literature (normally offered in the fall)
 - East (AHVC) 231: Art of Japan or East (AHVC) 232: Art of China. Students who take both courses will fulfill their traditional core course requirement and satisfy one of the five Area Studies (III.A.) requirements. Note that students choosing this option must take both East (AHVC) 231 and East (AHVC) 232 to meet the traditional core requirement.
 - ii. Modern East Asian Civilization
 - East (History) 142: Modern East Asian Civilization (normally offered in the fall)
 - East (Japanese) 235: Introduction to Modern Chinese and Japanese Literature (normally offered in the spring)
3. Five East Asian area studies courses, which may include the following:
 - i.
 - East (AHVC) 131 Asian Art and Visual Culture
 - East (AHVC) 231 Art of Japan
 - East (AHVC) 232 Art of China
 - East (AHVC) 333 Art and Revolution in 20th Century China
 - East (Chinese) 206 Dream and Fantasy in East Asian Literature
 - East (Japanese) 239 Introduction to Genre Fiction
 - East (Chinese) 305 Spontaneity: Taoism and Chinese Literature
 - East (Japanese) 309 Japan's Modern Canon
 - East (Chinese) 340 Chinese Cinema in English
 - East (Economics) 201 The Economy of China
 - East (History) 241 The Mandate of Heaven in Classical China
 - East (History) 341 The Confucian Classics
 - East (History) 348 Cold War in East Asia
 - East (Japanese) 273 Modern Japan in Film and Literature
 - East (Japanese) 235 Introduction to Modern Chinese and Japanese Literature
 - East (Religion) 216 Religions of China
 - ii. Independent and Directed Study (maximum of two from B and C combined) - Examples:
 - Chinese 361-362 Directed Readings in Chinese Texts
 - Japanese 361-362 Directed Readings in Japanese Texts
 - East 361-362 Directed Study in East Asian Studies
 - East 363-364 Independent Study in East Asian Studies

iii. Comparative Courses (Maximum of two from B and C combined):

East Asia in comparison with another region of the world
East (AHVC) 131 Asian Art and Visual Culture
East (Communication) 409 International Communication
Economics 412 Economic Development in the Third World
Economics 423 International Trade
Political Science 332 Politics in Latin America, Africa, and Asia
Political Science 355 International Political Economy
East 105 (Religion 105) Buddhism

4. Senior Research Project

East Asian Studies 450: Senior Project in East Asian Studies. Selecting two disciplines, students choose a topic in East Asian Studies and utilize the skills of both disciplines to analyze that topic in a major research paper, directed by faculty members in those disciplines. This research project culminates the major and can be proposed for either semester of the senior year. The student must have signatures from the two advisors in the course registration period preceding the semester when the project will be written. Only students completing a yearlong research project are eligible for special recognition.

Additional Points of Interest

Study Abroad Approved programs of study in the People's Republic of China include programs in Beijing, Nanjing, Shanghai, and Xian. In Japan, students may study in programs in Tokyo, Nagoya and Sapporo. The availability of semester-long, year-long or summer courses depends on the respective program.

Summer Research Through Denison's Young Scholar Awards No separate East Asian awards exist. Guidelines are on the Gilpatrick Center's homepage under student research. The research must culminate in a written or artistic project and a presentation to other summer scholars. Student scholars will live on Denison's campus and the student stipend is \$3,700. Dormitory housing is provided. Meals are excluded. Applications: Submit by late January for the coming summer.

Summer Internships There are no special grants for East Asian Studies internships. However, the Center for Career Exploration can be a resource for students interested in searching and applying for internships. There are also internship stipend programs meant to support students in their respective internship experiences. Contact the Austin E. Knowlton Center for Career Exploration by phone (740-587-6656) or email (career@denison.edu) to learn more about Denison internship resources and how stipend funding works.

The Language and Culture Program is an exciting residential option that gives students the opportunity to hone their language skills and to participate in special cultural events. Students who choose this residential option will live in a small community of their peers who share their enthusiasm for foreign languages and cultures. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and languages assistants from the Department of Modern Languages.

Course Offerings

Buddhism (EAST-105) A historical and thematic survey of the Buddhist tradition from the time of Siddhartha Gautama, the Buddha, until the present. Emphasis upon the way in which Buddhist teachings and practices have interacted with and been changed by various cultures in Asia, and more recently in North America. **4**

Asian Art and Visual Culture (EAST-131) An introduction to the art and visual culture of India, China, Japan and Southeast Asia focusing on historical, religious and social issues and the function of both art and visual culture. **4**

Traditional East Asian Civilization (EAST-141) The civilization of China, Japan and Korea from classical times to 1600 C.E. Themes include: the earliest Chinese schools of social and political thought; the genius of political and economic organization which contributed to the unusual longevity of Chinese dynastic institutions; the Japanese adaptation of Confucian and Buddhist practices in different eras; the unique development of Japan's unified feudalism; the Korean development of Neo-Confucianism. **4**

Modern East Asian Civilization (EAST-142) Beginning from an insider's view of how both prince and peasant saw the world around them before the encroachment of the West, this course analyzes the modern transformation of East Asia. Topics include: the conflict of Sinocentrism with modern nationalism in the Chinese revolution, the Japanese road to Pearl Harbor, and the colonization of Vietnam and Korea. **4**

Elementary Topics in East Asian Studies (EAST-199) A general category used only in the evaluation of transfer credit. **1-4**

International Problems (EAST-200) **4**

Dream and Fantasy in East Asian Literature (EAST-206) Through close analysis of some of the most important recurrent themes, this course will examine how the Chinese and Japanese literary traditions reinvent and revitalize themselves in their development. Students will also study the distinctive features of the major genres in the two traditions. **4**

Religions of China (EAST-216) This course explores the basic teachings and historical development of the most influential religious traditions and schools of thought in East Asia, including Confucianism, Taoism, Buddhism, and Shinto. Attention is given to classical texts, popular practice and the recent impact of Western culture on East Asian religion. **4**

Contemporary Japan: In Search of the "Real" Japan (EAST-221) Japan often conjures images steeped in tradition such as samurai warriors, sumo wrestlers, and geisha clad in kimono. At the same time, however, contemporary Japan is just as easily associated with businessmen, anime, automobiles, and high technology. How have "tradition" and "change" fueled competing visions of Japan what it means to be "Japanese"? How does one go about reconciling these conflicting views? How have these debates evolved over time? How have variously situated individuals and groups in society negotiated shifting circumstances? These questions will be at the heart of this seminar as we consider case studies from different segments of Japanese society. A range of material will be treated as "texts" for analysis and discussion including anime, manga, literary works, and films as well as ethnographic scholarship on Japanese society. **4**

Art of Japan (EAST-231) An introduction to Japanese architecture, sculpture, painting and the decorative arts from prehistoric times to the 20th century, with an emphasis on the works in their cultural and religious context. **4**

Introduction to Modern Chinese and Japanese Literature (EAST-235) This course is designed to provide an introduction to modern Chinese and Japanese fiction for the student who has little or no background in the language, history, or culture of these countries. No prerequisite. This course cross-listed with JAPN 235. **4**

Introduction to Japanese Genre Fiction (EAST-239) Genre fiction (sometimes called "commercial fiction") around the world has been broadly categorized as less-refined, or less literary. Postmodern thinkers

have demonstrated, however, that popular fiction can serve as a fascinating lens through which to read place (society, race, gender, etc.) and time (historical period). This class will serve as an introduction to Japan's long, rich tradition of genre fiction. In addition to reading recent criticism of the genres discussed, we will consider representative works, primarily by twentieth-century authors, in three genres: historical/period fiction, mystery/detective fiction, and horror fiction. This course is taught in English. No Japanese language required. This course is cross-listed with JAPN 239. **4**

Chinese Economy (EAST-240) 4

The Mandate of Heaven in Classical China (EAST-241) Classical China left two legacies of lasting importance: a political system that maintained the same tradition for the next two thousand years, and the Confucian ethical system that spread to Korea, Japan, and Vietnam. The course begins with the origins of Chinese history and moves through the first Empire from 220 B.C.E. to 220 C.E. **4**

World Views: Spatial Imagination in East Asia (EAST-263) This course explores visual modes employed in the expression of time and space in the construction of narratives in Asian Art. A variety of pictorial formats including: Wall Painting, Hand-Scrolls, Film, and anime; from southeast Asia, China, and Japan will be examined as case studies to explore and analyze narrative structure. **4**

Special Topics (EAST-264) 4

Modern Japan in Film and Literature (EAST-273) This course uses film and modern literature to consider responses to political, economic, and sociological changes in Japanese society over the course of the twentieth century. This course is taught in English. **4**

Spontaneity: Taoism and Chinese Literature (EAST-305) This course examines a special group of Chinese texts that will not only enlighten, but also delight modern readers: ancient Taoist text written in fascinating literary style, and a variety of literary works informed with Taoist spirit. No knowledge of Chinese is required. (Normally offered in the spring) **4**

Japan's Modern Canon (EAST-309) In this course we will read extensively from the works of the four twentieth-century Japanese authors who have been elevated to the status of canonized writers, that is, whose works are regarded both in and out of Japan as essential in the history of Japanese letters. Note that readings will vary from semester to semester. This course is taught in English. **4**

Art of China (EAST-332) This course is an introduction to Chinese visual culture from prehistoric times through the Mao era. Organized around a selection of key objects and images, this course explores a variety of art forms from China through diverse contexts such as ritual, gender, imperial patronage, literati ideals, and political icons. **4**

The Confucian Classics (EAST-341) An examination of the basic Confucian texts of the East Asian cultural tradition that define the distinctive traits of what makes us human, and what norms define healthy and happy human relations. We shall read the Four Books of the Neo-Confucian tradition. In plumbing the subtleties of these texts we shall replicate the learning techniques employed in classical Confucian academies. Research essays concluding the course may focus on a Confucian thinker or concept in the Chinese, Korean, Japanese, or Vietnamese cultural traditions of East Asia. **4**

China's Golden Age (EAST-342) This course is an in-depth introduction to the history and culture of the Tang empire (618–907), widely regarded as China's "golden age." Modern Chinese historical memory idealizes the Tang as an age of great military conquests, exotically "cosmopolitan" tastes in art and music, religious tolerance and cultural diversity, brilliant poets, and free-spirited, polo-playing women. A primary

goal of the class is to enable students to take an informed and critical perspective on this romanticized popular image by studying a wide range of historical scholarship and translated primary sources, which they will use to write a major research paper on a topic of their choice. **4**

Studies in Contemporary East Asian Studies (EAST-345) 4

Cold War in East Asia (EAST-348) Japan's military occupation of most of Pacific Asia halted with Japan's unconditional surrender in 1945. Indigenous nationalism naturally emerged in each country or region Japan had occupied: China, Korea, Vietnam, Indonesia, and the Philippines. In many countries the post-colonial hatred of outside domination was the greatest force at play. The freezing winds of the Cold War generated by the United States and the USSR had to find support within this nationalist anger. The course will end with a look at today's post-Cold War trade networks in East Asia that are less dependent on Japan and its inseparable ally, the United States. **4**

Directed Study (EAST-361) 1-4

Directed Study (EAST-362) 1-4

Independent Study (EAST-363) 1-4

Independent Study (EAST-364) 1-4

Art History Senior Seminar: Research (EAST-408) In this required course, senior majors will research and prepare the senior thesis. **4**

International Communication (EAST-409) This seminar examines the nature of information flows within and between nations, the issues raised by such communication, and the institutions involved and patterns evident in the development of and relations between nation-states. The course explores issues surrounding the constituent role that the news and entertainment media have played in the formation and maintenance of the nation-state. Topics raised will include uses of information in domestic and foreign policy, the extension of cultural imperialism, corporate invasion of privacy, and incursions upon sovereignty and national security. In examining the resolution of such issues, the course analyzes how nations' power is distributed and utilized among multiple forces. **4**

Senior Research Project: East Asian Studies (EAST-450) Senior Project in East Asian Studies. Selecting two disciplines, the student chooses a topic in East Asian Studies and utilizes the skills of both disciplines to analyze that topic in a major research paper, directed by faculty members in those disciplines. This research project culminates the major and is completed in either semester of the senior year. **4**

Senior Research (EAST-451) 4

Senior Research (EAST-452) 4

Economics

Faculty

Associate Professor Quentin M. Duroy, Chair

Professors Robin L. Bartlett, Sohrab Behdad, Theodore A. Burczak, Timothy I. Miller; Associate Professors Jessica Bean, Laura Boyd, Quentin Duroy, Fadhel Kaboub, Andrea Ziegert; Assistant Professors Xiao Jiang, Zarrina Juraquova, Hyun Woong Park, Johan Uribe, Luis Villanueva; Visiting Associate Professor David Boyd; Visiting Assistant Professors LuAnn Duffus, Katherine Snipes; Visiting Instructor Patrick McGonagle; Academic Administrative Assistant Judy Thompson

Departmental Guidelines and Goals

The purpose of the economics curriculum is to educate students in the nature and uses of economic reasoning. We are an economics department that values diverse theoretical and methodological perspectives on economic analysis and its application. We are cognizant of the importance of the other social and natural sciences, the arts, and the humanities to a more complete understanding of human society. Our curriculum introduces students to a core body of economic knowledge and to research skills, integrating disciplinary education with the liberal arts mission of the university. Economics majors develop the ability to think analytically and creatively about complex economic issues and policy choices facing our global society.

The content of our curriculum is tiered. In introductory courses students learn the basic principles of economics. In intermediate courses students develop their understanding of microeconomic, macroeconomic, and econometric theory. The 200-level electives give students an opportunity early in their careers to use introductory theory to better understand their world. The 400-level electives give students an opportunity to study in depth, a particular field of economics through application of the requisite basic skills, and appropriate theoretical models and empirical methods. These courses primarily focus on national and international concerns, public policies, and controversies in economic theory and policy.

Good economic writing represents good economic thinking. The Economics Department encourages students to cultivate the habits of good economic writing by requiring students to take one elective course that satisfies the department's writing requirement. Students are expected to use the vocabulary and theories of economics to correctly make cogent evidence-based arguments.

The Department of Economics supports students who globalize their education by completing some portion of their undergraduate education abroad. We encourage students to visit the Off-Campus Study Office to explore their options. If a student studies abroad then: (1) only one economics course can transfer in to satisfy major requirements. (2) that course must have economics prerequisites. If Economics 101 and Economics 102 are prerequisites, then the course transfers in as a 200-level elective. If the prerequisite is Economics 301 or Economics 302, then it transfers in as a 400-level elective. (3) students may only transfer in the equivalent of Economics 301, Economics 302 or Economics 307 with permission of the Chair. (4) course must be an economics course, not a business course.

Graduates of the Department of Economics seeking immediate employment have been successful in securing interesting and challenging positions in business, government, and non-profit enterprises. The economics curriculum also provides students with the opportunity to prepare themselves for graduate or professional studies in economics, business, public administration, international affairs, law and others.

Economics Major

Effective with students entering Fall 2015, all economics majors must complete a minimum of ten courses, nine economics courses and one calculus class. The major must satisfy the following requirements:

Core Requirements Introductory Macroeconomics (101, 4 credits), Introductory Microeconomics (102, 4 credits), Math 121 or 123 (4 credits), Intermediate Macroeconomics (301, 4 credits), Intermediate Microeconomics (302, 4 credits), Introductory Econometrics (307, 4 credits).

Students who want to major in economics should complete the above courses by the end of their junior year.

Advanced Course Requirements: In addition to the above, all students must take at least four additional courses from the Economics 201-440 or 460-470 sequence, only one of which can be a 200-level course. At least one of these elective courses must satisfy the department's writing requirement.

Economics with a Financial Economics Concentration

Students interested in the financial sector of the economy and who wish to pursue advanced degrees in business or finance, or a career in the financial sector of the economy, which require knowledge of financial principles and a strong mathematics background, may pursue an Economics major with a Financial Economics concentration. Requirements are fourteen courses distributed as follows: Economics 149, 101, 102, 301, 302, 307, 405, 430, and two additional Economics electives, only one of which may be a 200-level course, at least one must be a designated writing course in Economics; Mathematics 123, 124, 241, and 242.

Economics Minor

The Economics minor is meant to provide a basic grounding in economics for students majoring in other fields. It is hoped that students will make a conscious effort to relate the minor to their major field. Students interested in minoring in economics must take the following courses: Economics 101, 102; Math 121 or 123; Economics 301, 302; one of the following three courses: Economics 307, 401 or 203; and one additional course from the Economics 201-440, or 460-470 sequence. Note: Calculus prerequisite (Math 121 or 123) is effective with students entering Fall 2015.

Additional Points of Interest

Philosophy, Politics and Economics The Economics Department participates in the interdepartmental major in link [PPE].

Course Offerings

Introductory Macroeconomics (ECON-101) An introduction to the study of the economic problem, the nature and method of economics, the operation of markets, and of the aggregate national economy. Develops the basic theories of macroeconomics and applies them to topics of current interest. Explores issues such as: the causes of inflation, unemployment, recessions and depressions; the role of government fiscal and monetary policy in stabilizing the economy; the determinants of long-run economic growth; the long- and short-run effects of taxes, budget deficits, and other government policies on the national economy; and the workings of exchange rates and international trade. (Note: Economics 101 is a pre-requisite for Economics 102) **4**

Introductory Microeconomics (ECON-102) An introduction to the study of the forces of supply and demand that determine prices and the allocation of resources in markets for goods and services, markets for labor and markets for natural resources. The focus is on how and why markets work, why they may fail to work, and the policy implications of both their successes and failures. The course focuses on developing the

basic tools of microeconomic analysis and then applying those tools to topics of popular or policy interest such as minimum wage legislation, pollution control, competition policy, international trade policy, discrimination, tax policy and the role of government in a market economy. (Note: Economics 101 is a pre-requisite for Economics 102) **4**

Accounting Survey (ECON-149) A survey designed specifically for liberal arts students interested in Business, Economics, Law and Government. The meanings, purpose and function of accounting in business are presented through studying the concepts and theories of accounting. Basic accounting procedures covered in this course include journalizing transactions, posting, trial balances, adjusting entries and preparation of financial statements. Other topics include internal control, inventory methods, depreciation and generally accepted accounting principles. The course focuses on the sole proprietorship, partnership and corporate forms of business organization. Course credit may not be counted toward a major in Economics. **4**

Introductory Topics in Economics (ECON-199) A general category used only in the evaluation of transfer credit. **1-4**

Economic Justice (ECON-201) This course investigates the various normative yardsticks that economists use when assessing public policy and the appropriate role for government in the economy. We will be concerned with questions like: What is economic freedom? Are individual property rights absolute? What are the differences, in terms of questions of justice, among slave labor, wage labor, and the work of an independent or cooperative partner? What is a fair distribution of economic resources? Is economic justice fulfilled by: any distribution of income and wealth produced by market processes; an equal distribution of income and wealth; or a partially adjusted market distribution? The definitions of economic justice and fairness are perhaps the most controversial questions in political economy, and this course is designed for you to gain some insight into the contending perspectives that economists have advocated. We will examine natural rights theories, the contested meaning of equality of opportunity, and the potential trade-off between economic efficiency and the redistribution of income and wealth. We will examine perspectives ranging from libertarian to socialist. Prerequisite: ECON 101 and 102. **4**

Economic Growth and Environmental Sustainability (ECON-202) Economic growth is traditionally perceived as the solution to the socio-economic ills of poverty, unemployment and more generally underdevelopment. However, economic growth is also accompanied by increased pressure on and, over time, deterioration of the natural environment. The objective of this course is to explore the relationship between economic growth and the natural environment. While the concept of economic growth occupies a central place in economic policy-making, we will discuss whether economic growth is compatible with the sustainable-development worldview adopted by the UN and many other global and local economic actors. Sustainable development emphasizes the need to embark upon a development path that not only takes into account the environmental, social and economic needs of the present generation, but also those of future ones. Prerequisite: ECON 101 and 102. **4**

Controversies in 20th Century Economics (ECON-203) This course will focus on some of the important developments in modern economic thought after the "marginalist revolution" in the late 19th century. Topics may include the ideas of John Maynard Keynes and the evolution of contemporary macroeconomics, the socialist calculation debate and the possibility of centrally planned socialism and contending perspectives about the role of government in the creation and protection of property rights and in the regulation of the macroeconomy. The course may also examine the ideas of economists who have criticized the marginalist orientation of economic theory and instead advocated a more social and institutional approach to understanding economic phenomena and behavior. Prerequisite: ECON 101 and 102. **4**

Income Inequality (ECON-204) The substantive goal of this course is to facilitate an understanding of changes in the distribution of income in the United States, from 1945 to the present. The first part of the course studies the measurement and context of American income inequality. We will end the first section of the course with an analysis of economic mobility in the US. The second section of the course will look at a variety of explanations for increasing income inequality. We will examine how the key themes of technical change, de-industrialization, immigration and globalization shaped the American economy over the last several decades. The primary focus of the first two sections will be upon income inequalities arising from changes in the ideological, demographic, macroeconomic and institutional context. In addition, we will investigate the impact of these trends on the middle class and different segments of the labor force. Finally, we will discuss why inequality might matter and how the trends discussed in the course could shape America's future and discuss whether and what policy changes might be needed. Prerequisite: ECON 101 and 102. **4**

General Topics in Intermediate Economics (ECON-240) These courses will be offered in a variety of applied economic fields. Prerequisite: ECON 101 and 102. **4**

Intermediate Topics in Economics (ECON-299) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Macroeconomic Analysis (ECON-301) An examination of the determinants of Gross Domestic Product, the unemployment rate and the price level. The components of aggregate spending consumption, investment, foreign trade and government will be examined to determine their significance for explaining the business cycle. Similarly the financial side of the economy and the role of money will be examined to determine their impact on the business cycle. The purpose of each examination is to understand the factors that move the economy and how fiscal and monetary policy can be used to alter the course of economic trends. Calculus and mathematical modeling can be used to provide insights not available with the tools of introductory theory. Prerequisite: ECON 101 and 102, and MATH 121, 123, or 124. **4**

Intermediate Microeconomic Analysis (ECON-302) An examination of the basic assumptions and methods of analysis employed in microeconomic theory, including demand analysis, production and cost relationships, market structures, distribution theory, general equilibrium and welfare economics. Calculus and mathematical modeling can be used to provide insights not available with the tools of introductory theory. Prerequisite: ECON 101 and 102, and MATH 121, 123, or 124. **4**

Introductory Econometrics (ECON-307) An essential activity in any science is the systematic testing of theory against fact. Economics is no exception. This course develops and uses the statistical techniques that are essential for the analysis of economic problems. These techniques allow for testing of hypothesis, estimating magnitudes and prediction. Prerequisite: ECON 301 and 302. **4**

Directed Study (ECON-361) **1-4**

Directed Study (ECON-362) **1-4**

Independent Study (ECON-363) **1-4**

Independent Study (ECON-364) **1-4**

Advanced Topics in Economics (ECON-399) A general category used only in the evaluation of transfer credit. **1-4**

History of Economic Thought (ECON-401) A critical inquiry into the methodological and ideological foundations of modern economics through the study of development of economic thought from the 16th century to the "Keynesian Revolution." It is an attempt to understand economic theorizing in response to the

existing social conditions, and to become familiar with the foundations of the main strands of contemporary economic thought. In a study of mercantilism, classical liberalism, socialism, and institutionalism, the development of the concepts of wealth, value, and distribution and the methodological and ideological vantage points of different schools of thought, and intellectual giants such as Smith, Ricardo, Malthus, Marx, Jevons, Marshall, and Veblen will be examined. Prerequisite: ECON 301. **4**

Financial Markets (ECON-405) Financial markets play an important role in transferring savings into productive investment, allocating and managing risks, and promoting or threatening macroeconomic growth and stability. This course introduces students to the institutional structure and economic reasoning, including ideas from “behavioral finance,” necessary to understand the functioning of the securities, insurance, and banking markets. **4**

Monetary Theory (ECON-411) The role money plays in determining economic outcomes, such as the level of employment, the aggregate price level, and the rate of economic growth, is one of the more controversial issues in economics. To get a handle on these controversies, this course explores the institutional structure of the U.S. monetary system, including the Federal Reserve, the body charged with the conduct of U.S. monetary policy. Then, the course compares and contrasts different perspectives on the role money plays in economic activity. The goal is to combine knowledge of the institutional structure of the U.S. monetary system with an understanding of the various theoretical perspectives on monetary theory in order to gain some insight into the difficult issues facing the conduct of successful monetary policy. This course builds towards simulated Federal Reserve Open Market Committee Meetings, in which students will form their own opinions about the influence monetary policy has on the rates of inflation, unemployment, economic growth and the distribution of income. Prerequisite: ECON 301. **4**

Economics of the Developing World (ECON-412) The current context of globalization and regionalization is characterized by various patterns of development; most developing countries have been increasingly engaged in the liberalization of their economies; however, some of these countries have been experiencing fast economic growth, while other developing countries have been stagnating economically. This course is designed to survey and explain the economic successes and failures of developing countries over the past couple of decades in light of contemporary economic theory and through the use of case studies of specific developing regions. Prerequisite: ECON 301. **4**

International Finance (ECON-413) This course is a study of monetary interdependence among nations. The following topics will be explored: foreign exchange markets, international currency systems, national income determination in an open economy, balance of payments accounts and policies for their adjustments, exchange rate adjustments, exchange control, monetary problems of developed and underdeveloped countries, international capital flows. Prerequisite: 301. **4**

Women in the U.S. Economy (ECON-416) This course will focus on the market and nonmarket contributions of women to the U.S. economy. A historical framework provides the backdrop for examining the economic, political and social institutions that affect women's contributions to the nation's economic well-being. Cross-listed with WGST 416. Prerequisite: 301. **4**

The Eurozone: Optimal Currency Area or Incomplete Monetary Union? (ECON-417) Before 2010, the Eurozone was hailed as the first successful multi-national, large-scale model of monetary and currency union. Several countries in many regions of the world (such as South America, the Middle East, West Africa) have been considering following in the steps of the European Union (EU) by creating similar currency areas in the near future. However, the financial crisis of the late 2000s followed by the sovereign debt crisis of the 2010s have challenged the perception of the Eurozone has a fully functioning currency area. In this class we will seek to place the creation of the Eurozone in the context of the broader evolution of the EU as a cosmo-

politan project. We will examine the socio-economic theories and political ideologies behind the creation of the Eurozone. This will require an understanding of the macroeconomic models which underlie the concept of ‘optimal currency area’ and an investigation of the degree to which the Eurozone is a fully completed project. In particular the solutions provided by EU leaders and institutions to the economic crisis in Greece (and other countries in the Eurozone) will give us a chance to reflect upon the future of the Eurozone and to discuss the intellectual and practical implications of two alternatives that member-states may face as they look towards the future of the EU: 1. the pursuit of further EU integration through the creation of a supranational fiscal and political union or 2. the beginning of a process of political and economic devolution towards smaller scale European projects – a path often described as a Europe of Regions. Prerequisite: ECON 301.

4

Personal Finance (ECON-418) Consumer economics focuses upon the application of economic theory to major issues faced by consumers in our modern economy. The course will combine economic theory, practical skills drawn from finance and Internet search strategies to empower students to make informed and rational decisions. The first half of the course will focus on buying and borrowing. The second half of the course will deal with investing and the risk versus expected reward tradeoff. The goal is not to learn what decisions to make, but rather to understand how economic theory can allow one to make better choices. Prerequisite: ECON 301. **4**

Mathematical Macroeconomics (ECON-419) This course is specifically designed to be a stepping stone to graduate school. It makes extensive use of mathematical notation and relies heavily upon calculus. About 40 percent of the course is devoted to applying calculus tools to topics previously covered in Intermediate Macroeconomics. Calculus and intensive mathematical modeling allow insights not available with the tools of intermediate theory. About 60 percent of the course is devoted to more advanced topics that are drawn from macroeconomics and investment theory. Prerequisite: ECON 301. **4**

Public Finance (ECON-421) A study of the impact of governmental taxation and expenditures on the economy. The economic rationale for the existence of the public sector is examined and the development, passage, and implementation of the federal budget is investigated. Issues such as welfare reform, the growth of entitlement programs, the financing of health care and the theory and practice of taxation are studied. Prerequisite: ECON 302. **4**

Industrial Organization and Antitrust Economics (ECON-422) This course examines corporate decision making as a function of the competitive environment in which the firm operates. In addition to standard market structure theory, we examine a number of business practices including pricing and advertising policy, corporate strategic behavior, and horizontal and vertical mergers and acquisitions. The analysis is often mathematical, with a heavy emphasis on game theory. Prerequisite: ECON 302. **4**

International Trade (ECON-423) This course is anchored in the following key questions: 1) What determines the pattern of international trade? 2) What are the effects of foreign trade on the key parameters of a country's social and economic well-being such as growth, employment and income distribution? 3) What is the role of policies in a contemporary globalized economy? The learning objectives of this course are threefold. First, students will learn various analytical tools to study international trade and trade related issues. Second, in addition to factor endowments, students will understand the importance of history, socioeconomic structures, international social and power relations, and international politics in international trade. Third, students will develop the abilities to critically assess some important past and present trade policies. Prerequisite: ECON 302. **4**

Race and Ethnicity in the U.S. Economy (ECON-425) Race and ethnicity play important roles in our economy. They serve as social signals, group identities, political factions and community delineations around

which the forces of inequality, poverty and growth carve their path. How can we analyze and come to understand the roles that race and ethnicity play in our society? Economics and economic history, along with a diverse set of interdisciplinary tools, allow us to look into the past, at the inception and development of racial and ethnic identities, and further our understanding of the hierarchies of power embedded in the notions of race and ethnicity. Prerequisite: ECON 302 or consent. **4**

Environmental Economics (ECON-427) This course provides an examination of various economic issues facing business and government regarding the use of natural resources and the management of environmental quality. Students will develop an understanding of both the economic nature of environmental problems and the economic tools necessary to explore and devise potential policy solutions for environmental problems. In addition, students will examine the institutional framework within which environmental problems exist in order to understand those factors which may mitigate against economic solutions. Prerequisite: ECON 302. **4**

Financial Instability and Economic Crises (ECON-428) Throughout the history of market economies, financial markets have periodically experienced rapid changes in the prices of financial assets, i.e., booms and crashes. These periods of instability are often connected to rising unemployment, fall production, and painful economic crises. In spite of this, an influential contingent of economists - sometimes referred to as "free market" economists - continue to argue that all markets are stable and that government regulations are at best unnecessary and at worst counterproductive. This course studies the historical development of the "free market" ideology and explores many of the serious challenges to this ideology that come from both economic theory and economic history. Prerequisite: ECON 302. **4**

Mathematical Microeconomics (ECON-429) This course explores the mathematical foundations of microeconomics. Constrained and unconstrained optimization are employed to generate the results of consumer theory, producer theory and market structure. The course is particularly well suited for those students contemplating graduate study in economics or business. Prerequisite: ECON 302. **4**

Organizational Finance (ECON-430) The goal of this course is to learn the principles of finance relevant to managing organizations, particularly the corporation. Financing considerations are fundamental in determining the various forms that firms assume and the investment projects they pursue. Depending on the characteristics of the investment (size, expected return, risk, maturity), different types of firms emerge that use different financing instruments (e.g., equity, debt). The course covers the effects of time, risk, and uncertainty on firm decision-making. It also investigates the agency problems between firms and other stakeholders (e.g., equity owners vs. debt holders) and the agency problems typical in the corporation (e.g., managers vs. shareholders). The course examines how different firm structures and arrangements are used to mitigate these agency problems (e.g., corporate governance, compensation, and payout policies). Prerequisite: ECON 302. **4**

Topical Seminars in Economics (ECON-440) Open to advanced students with the consent of the instructor. These courses will involve the preparation of a research paper and be offered in a variety of applied economic fields. Prerequisite: ECON 301 and 302. **4**

Advanced Theory Seminars (ECON-445) **4**

Senior Research (ECON-451) Research in selected topics in Economics. **4**

Senior Research (ECON-452) Research in selected topics in Economics. **4**

Growth, Distribution, and Instability (ECON-461) This course explores what 18-19th century classical political economists – Adam Smith, Thomas Malthus, David Ricardo and Karl Marx had to say about eco-

conomic growth, income distribution and macroeconomic instability in a market economy. The unique aspect of this course is that these ideas are presented and analyzed using modern economic tools such as mathematical modeling, computational simulations and statistical analysis. By doing so, we are able to develop new insights on a set of modern economic phenomena such as uneven development, income inequality, business cycles and financial crisis. Prerequisite: ECON 301 and 302. **4**

Health Economics (ECON-462) This course introduces health economics by putting its contemporary definition, determinants and direction as a field into a broad global context. In this course, students learn how to evaluate issues pertaining to health, health disparities, public health and policies concerning health outcomes, insurance and markets. By the end of the course, students can understand and explain various health care and insurance models such as the U.S Affordable Care Act and differences between universal and private healthcare delivery systems. Prerequisite: ECON 302 and 307. **4**

Political Economy of the Middle East (ECON-463) A study of the general features of the economic development experience of the Middle East. This course will note the elements of similarity and the extent of diversity among the economies of the region, and will examine the strategies of planning and patterns of economic development in these economies. We will study the structural transformation of these economies and the dynamics of their relations with the colonial and modern West. We will examine the interactive relation between economic policymaking and class formation, as well as the economics of internal and international migration. OPEC and the oil market, and the economics of war, occupation and sanction. In the past decades, many Middle Eastern countries have been confronted with an Islamic revivalist movement that seeks to transform the economic organization of society according to what has been proposed as "Islamic economics." In this course we will study the theoretical basis of various interpretations of Islamic economics and will examine their policy and planning proposals. Prerequisite: ECON 301 and 302. **4**

Labor Economics (ECON-464) This course develops the basic theories of labor supply and labor demand. Using these theories, we examine the influence that human capital investments, institutional forces, and government policies have on wages and hours worked. A focus of this course will be on empirically testing theoretical models using real-world data. Prerequisite: ECON 307. **4**

Forensic Economics (ECON-465) After an untimely death or a wrenching divorce, forensic economics are often called upon to estimate the economic worth of a human life or a family business. To make such estimations requires that students have a firm understanding of the underlying micro- and macroeconomic aspects of economic theory, of the relevant demographic and economic data that is available, and of the process of calculating net discounted present value. There are generally accepted ways of calculating economic worth, but there are also grey areas where judgments are made. The latter requires a subtle understanding of the issues behind why one assumption may be better than another and its impact on the final value of economic worth. Students will role-play a movie forensic economist who is a member of a well-respected law firm specializing in wrongful death and divorce. Prerequisite: ECON 301 and 302. **4**

Evolution of the Western Economy (ECON-466) History and analysis of economic growth and development in the so-called advanced countries, primarily Western Europe and the United States. Discussion centers on selected major topics since the rise of market economies with emphasis on the interpretation of these developments in light of contemporary economic theory and modern quantitative evidence. Prerequisite: ECON 301 and 302. **4**

Econometrics II (ECON-467) Econometrics II builds upon the foundation of Introductory Econometrics. Among its goals are: to expand each student's proficiency in estimating and interpreting economic models, to enhance each student's ability to do economic research, to increase each student's ability to read the research

literature and to better prepare those students desiring to go to graduate school in economics. Prerequisite: ECON 307. 4

Educational Studies

Faculty

Professor Karen Graves, Chair

Professor Karen Graves; Assistant Professor Emily Nemeth; Visiting Assistant Professor Kevin Zayed; Instructor Suzanne Baker; Academic Administrative Assistant Brenda Franks.

Departmental Guidelines and Goals

The Department of Education emphasizes the study of education as a social institution and analysis of teaching and learning in interdisciplinary terms. The Educational Studies major is designed for students who wish to prepare for a career in education in elementary or secondary schools, or in the broader community. The curriculum introduces students to learning theory and the social foundations of education, and it allows for experiential learning in the field. This study fits well into a broader liberal arts education and allows time for students to complete a major in an additional field of study, for example, in the discipline one intends to teach. The Educational Studies major does not lead directly to licensure; however, faculty in the Department of Education assist students in creating individually designed plans for obtaining licensure after graduation through a range of graduate and other programs.

Educational Studies students will have multiple opportunities to communicate original thinking through writing, to explore various genres, and to address diverse audiences through course assignments. Students will learn how to develop a focused, well-supported essay. Also, they will acquire the skills to blend written language with other modes to communicate a message, and how to navigate various formatting guidelines informing the field of education. During their senior year, students will reflect upon a collection of essays they have produced in previous courses through a capstone, portfolio project. The project invites them to assess the themes, areas of growth and quality, and to witness their engagement in writing as a process.

Educational Studies students are encouraged to consider taking a semester off-campus. This option allows for comparative study of education and often, extended apprenticeships in schools. Educational Studies students have studied, for instance, in Chile, England, Denmark, Northern Ireland, New Zealand, South Africa, and The Philadelphia Center. Please contact an Educational Studies faculty member for more details.

Educational Studies Major

The Educational Studies major consists of nine courses: PSYC 100; EDUC 213; EDUC 249 or EDUC 250; PSYC 200; EDUC 312; EDUC 390; EDUC 421 or two semesters of Senior Research; and two Education electives, one of which must be cross-listed with Black Studies, Queer Studies, or Women's and Gender Studies.

Please note these prerequisites: PSYC 100 for PSYC 200; EDUC 213 for EDUC 390; EDUC 249 or EDUC 250 for EDUC 312; and senior standing for EDUC 421.

Educational Studies

Students should complete a course trajectory plan, educational philosophy, and interview with department faculty before declaring the major; optimally this should occur by the end of the sophomore year. In addition, students must complete an approved internship, in schools or other educational settings.

Educational Studies Minor

The Educational Studies minor requires 24 semester hours of course work, including PSYC 100; EDUC 213; and EDUC 390. One course among the electives must be cross-listed with Black Studies, Queer Studies, or Women's and Gender Studies.

Course Offerings

Introductory Topics in Education (EDUC-199) A general category used only for the evaluation of transfer credit. **1-4**

The U.S. Education System (EDUC-213) Students will develop a thorough and systematic understanding of the development of education and schooling in the United States. Relationships between school and society will be analyzed primarily from a historical perspective. Themes include the connection between liberty and literacy, centralized versus local control of schools, expansion of schooling, inequities in schooling, and the differentiated curriculum. **4**

Legal Issues in U.S. Education (EDUC-215) In this writing intensive seminar students will explore the legal structure of schooling in the United States, primarily by studying significant cases that have reached the U.S. Supreme Court. We will begin with an overview of legal and extralegal sources of control in schooling, a review of the United States Constitution, and discuss some landmark court rulings regarding school issues. The class will study a set of cases collectively and each student will engage in independent study of a legal issue of her or his own choosing. We will use writing as a mechanism for intellectual exploration throughout the course. **4**

Approaches to Environmental Education (EDUC-220) Environmental education is a broad term, encompassing a large array of ideas concerned with the purpose of and approach to engagement with the physical environment that should ultimately lead to environmental stewardship. Approaches to Environmental Education will address the "what" and "how" of environmental education. Students will be exposed to the various definitions and purposes of environmental education as well as the multiple approaches used to achieve these purposes. Through readings and hands-on experiences we will explore multiple practices in the field. Finally, we will develop our own environmental education curriculum based on our experiences in the class. **4**

The Learner and the Teacher: Childhood (EDUC-249) This course explores the learning-teaching process in the elementary grades. Topics for the course include learning theories, developmental patterns of the young child, learning profiles, differentiated instruction, and methods of teaching. This course includes a 30-hour service learning commitment each week to an area school classroom. The student will complete a variety of activities that focus on the learner, the teacher and the learning-teaching process, using the school experience as a "laboratory" to gather primary sources of information. Normally offered Spring semester. Course is a Curricular Service Learning Course. **4**

The Learner and the Teacher: Adolescence (EDUC-250) This course explores the learning-teaching process in middle and high school environments. Topics draw from neuroscience research on learning, multiple intelligence theory, and scholarship on issues regarding peer socialization, mental health, body image, gender and sexual identity, and active participation strategies. This course includes a 30-hour service learning commitment each week to an area school classroom or community agency. The student will complete a variety

of activities that focus on the learner, the teacher, and the learning-teaching process, using the school or agency experience as a "laboratory" to gather primary sources of information. Normally offered Fall semester. Course is a Curricular Service Learning course. **4**

General Methods of Teaching (EDUC-270) This course is designed to extend students' understanding of the discipline of teaching and provide in-depth practice of strategies introduced in previous courses. Elements include planning, instructional strategies, assessment, motivation, student groupings and classroom management. Assignments require students to put course concepts into practice. Prerequisite: EDUC 249 or 250. **2**

Field Experience (EDUC-280) The student may request to apprentice in a local school, social service agency, or non-profit organization with a teacher or other supervisor. The student will observe and provide assistance in the setting and confer regularly with the Field Experience Coordinator through journaling and class meetings. Normally offered Fall Semester. Course is a Curricular Service Learning course. Prerequisite: EDUC 249 or 250. **1-2**

Intermediate Topics in Education (EDUC-299) A general category used only in the evaluation of transfer credit. **1-4**

Philosophy of Education (EDUC-300) In this course students consider questions regarding how people learn and the role of education in society from a philosophical perspective. Class members read primary works of selected educational theorists including Plato, Isocrates, Rousseau, Wollstonecraft, Dewey, and Martin. Students develop a familiarity with major educational themes of the past and engage current issues and problems in education. Normally offered in alternate years. **4**

Literacy and Learning: Theory and Practice (EDUC-312) The purpose of this course is to explore reading and writing in schools, communities, and families. Emphasis is placed on theories of literacy and learning as a way to think about classroom instruction, variation in reading and writing as social practices, and policies and position statements surrounding these practices. The course includes a 30-hour service-learning commitment in an area school or community organization. Offered Fall semester. Prerequisite: EDUC 249 or 250. Course is a curricular service learning course. **4**

Gay and Lesbian Issues in Education (EDUC-330) In this seminar students will examine gay and lesbian issues in what is, arguably, the most central social institution in American culture. We will begin with an introduction to the study of sexuality, and read critical texts that allow us to explore gender and sexuality in education across time and spaces. **4**

In the Company of Educated Women (EDUC-340) This is a course on women's educational history in the United States. The scope encompasses some general patterns in women's educational experiences—as students, teachers, school administrators, and in higher education at particular points in U.S. history. Examining gender issues in historical context allows us to get a handle on how education, ideology, and political economy influence the contours of societies, and limit or extend possibilities for individuals. **4**

Special Topics (EDUC-345) Independent study or seminar work on selected topics under the guidance of staff members. Prerequisite: Consent of chairperson. **4**

Special Topics (EDUC-346) Independent study or seminar work on selected topics under the guidance of staff members. Prerequisite: Consent of chairperson. **1-4**

History of African American Education (EDUC-360) The goal of this course is to examine the historical experiences of African Americans in education and related aspects of life. Much of the course will focus on Blacks' experiences in schooling in the South from Reconstruction to the Civil Rights Movement of the

1960s. In addition, students will contrast African American schooling experiences with those of Native Americans and others during this period. Students who enjoy and benefit from cooperative and participatory learning environments are encouraged to take this course. **4**

Directed Study (EDUC-361) 1-4

Directed Study (EDUC-362) 1-4

Independent Study (EDUC-363) 1-4

Independent Study (EDUC-364) 1-4

Black America's Legal Struggle for Educational Equality (EDUC-367) This course examines U.S. Supreme Court cases that led to and followed the Brown v Board of Education decisions. It looks at the role of the Black community in challenging both de jure and de facto segregation in schooling and society. We begin by discussing the Plessy decision that Brown overturned and a few other Supreme Court cases that appeared to reduce the meaning of the 13th, 14th, and 15th Amendments to the US Constitution for Blacks and others. Next, we look at the efforts of individuals such as Charles Hamilton Houston who led the legal offensive of the National Association of the Advancement of Colored People (NAACP) to overturn Plessy. We will discuss the state of education in relation to Blacks and others prior to Brown and afterward. **4**

Critical Pedagogy: Gender, Race and Class in U.S. Education (EDUC-390) In its examination of current pressing issues in U.S. education, the central concern throughout this course is the relationship between teachers and students; schools and society; and people and the world. Particular attention is given to pedagogies informed by critical theory. The course includes a 25-30-hour service-learning commitment in an area school or community organization. Course is a Curricular Service Learning course. **4**

Advanced Topics in Education (EDUC-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Seminar (EDUC-421) Students will build upon knowledge and understanding of selected topics developed in previous coursework in education, develop the skills required in the process of doing research and preparing work for presentation or publication, and reflect upon study in the major through a culminating ePortfolio assignment. Prerequisite: Senior standing in Educational Studies. **4**

Senior Research (EDUC-451) 4

Senior Research (EDUC-452) 4

English

Faculty

Associate Professor Fred Porcheddu-Engel, Chair

Professors David Baker, Kirk Combe, Linda Krumholz, Ann Townsend; Associate Professors Brenda Boyle, Peter Grandbois, Diana Mafe, Lisa J. McDonnell, Fred Porcheddu-Engel, Sandra Runzo, Jack Shuler, Margot Singer, James Weaver; Assistant Professor Regina Martin; Visiting Assistant Professors Paul Barickman, Sylvia Brown, Michael Croley, Michael Mayne, Doug Swift; Academic Administrative Assistant Anneliese Deimel Davis

Departmental Guidelines and Goals

The English curriculum is intended to serve the general needs of the liberal arts student and also provide coherent programs for the more specialized needs of students who want to major in English with an emphasis in literature, creative writing, or narrative nonfiction writing. In the last thirty years, English literary studies have changed in response to new theoretical and cultural models as well as greater attention to Anglophone international and non-canonical literature and genres. In our courses and major we approach the study of language and literature as a dynamic, living, and lively pursuit, one that integrates political, social, philosophic, cultural, and aesthetic values. We have designed a program that meets a variety of needs and enables students to pursue a variety of personal and professional goals, whether defined by individual or collaborative intent, subject breadth or depth, instructional model, source engagement, writing development, or other pedagogical features. The faculty in English participate actively in the General Education Program, the Writing Program, Women's and Gender Studies, Black Studies, Queer Studies, International Studies, Environmental Studies, and service learning opportunities.

All students may enjoy readings and lectures made possible by the endowed Harriet Ewens Beck Fund, which has brought such writers as Susan Orlean, Ted Kooser, Alice Walker, Bill Bryson, Maxine Hong Kingston, Adrienne Rich, Louise Erdrich, and Antonya Nelson for visits or residencies each year. The curriculum in English is also enhanced by a variety of opportunities for students to pursue publishing their works locally in a variety of student-edited journals. ARTICULÁTE (a forum for cultural and literary criticism) and EXILE (a journal of creative writing) are among the publications associated with students in English.

English Major

Students who major in English must choose an advisor in the English Department to assist them in selecting and sequencing classes to meet their academic and professional goals. All students who major in English must complete a minimum of ten classes in the department, excluding W 101. The English major and minor each have two options: the literature emphasis and the creative writing emphasis. The two courses of study overlap and complement one another. Both literature and creative writing students should graduate from Denison with a strong knowledge of the history and practice of literary studies.

Each semester, students who want to take classes in English should read the semester's course descriptions, available online and from the English office, which provide more detailed information about specific classes than what appears below.

LITERATURE EMPHASIS

Students who major in English with the Literature emphasis must take ten courses. Four courses are chosen from among the five core courses: four of those courses are historical survey courses that cover a variety of periods in English and American literature; the fifth course introduces students to literary theory and critical

methods. Critical methods and literary theory are taught in many courses in the major, but English 202 provides an overview of literary theoretical debates, familiarity with some primary theoretical texts, and attention to research and critical practices in literary studies. This course is recommended for all students, particularly those who want to take advanced courses in literary theory or plan to pursue graduate studies in English.

All students with the Literature emphasis are strongly urged to begin their coursework with the required "four-of-five" courses that provide useful historical and theoretical contexts for subsequent, more focused study in the seminars. However, because specific 300 level seminars are probably not offered every semester, students are encouraged to take seminars, even before they have completed the required surveys, if they are interested in the topic. English 400, the Senior Seminar, is the English capstone course offered every semester on a variety of topics. Students who major in English with the Literature emphasis may choose to do a yearlong senior research project in literary studies (English 451-452). Students can transfer only two courses to the Major from off-campus.

English majors with the Literature emphasis must take four of the following five core courses:

English 202: Literary Theory and Critical Methods

English 213: Early British Literature

English 214: 18th- and 19th-Century British Literature

English 230: American Literature Before 1900

One 200-level 20th-century survey course (either English 219, 220, 221, 240, or 250)

English majors with the Literature emphasis are also required to take the following:

Four 300-level English seminar courses

One elective at any level

English 400: Senior Seminar

CREATIVE WRITING EMPHASIS

Students who major in English with the Creative Writing emphasis must take ten courses. English majors with a Creative Writing emphasis will read and write extensively, learn from practicing published writers, and hone their skills while studying a wide range of literary texts. Students majoring with an emphasis in Creative Writing will choose from a variety of courses divided among workshops and literature courses. The core of the creative writing courses is the workshop. Writing students take a series of increasingly advanced workshops to culminate, in the senior year, in a yearlong writing project conducted on campus. The senior capstone is English 453-454 in which students complete a collection of their work (poetry, stories, drama, and/or nonfiction) by year's end.

English majors with the Creative Writing emphasis must take three of the following five core courses:

English 202: Literary Theory and Critical Methods

English 213: Early British Literature

English 214: 18th- and 19th-Century British Literature

English 230: American Literature Before 1900

One 200 level 20th-century survey course (either English 219, 220, 221, 240, or 250)

English majors with the Creative Writing emphasis must take three 300-level English seminars. English 400 can count as one of these advanced seminars.

English majors with the Creative Writing emphasis must take four courses in the series of Creative Writing workshops:

English 237: Creative Writing

English 383, 384, or 385: students choose either Fiction Writing, Nonfiction Writing, or Poetry Writing. (Students may, if their schedules permit, take more than one of these advanced workshops.) Students may not take any of these courses concurrent with the Senior Writing Project.

English 453 and English 454: Senior Writing Project

English 453-454 serves as the capstone experience for English majors with the Creative Writing emphasis; this 8-credit course consists of weekly group workshops, individual tutorials, a monthly colloquium and practicum, as well as a series of master classes and workshops with visiting writers. Students must submit a writing sample and show reasonable progress in creative writing courses at the end of their junior year to get permission to take the yearlong senior project to complete the major with a Creative Writing emphasis.

English Minor

The English minor consists of six courses:

To minor in English with a Literature emphasis, students must take three of the five required core 200 level courses (see above) and three courses at the 300-level (one may be at the 400 level).

To minor in English with a Creative Writing emphasis, students must take English 237, one advanced writing workshop (English 383, 384, or 385), two of the five required core 200-level courses, and two courses at the 300-level. English 400 can count as one of these advanced seminars.

Course Offerings

Introductory Topics in English (ENGL-199) A general category used only in the evaluation of transfer credit. **1-4**

Introduction to Literature (ENGL-200) An introduction to literary types, this course will emphasize close interpretive reading of poetry, fiction and drama. **4**

Academic Writing (ENGL-201) Theory and practice in essay and other academic writing, allowing students to concentrate on mastering styles appropriate to their own academic or personal needs. **4**

Literary Theory and Critical Methods (ENGL-202) This course will teach students skills and materials that are important in literary studies today. It will include methods of reading and writing literary criticism, research methods in literary studies, analytical practices, an overview of literary theoretical debates of the 20th century, and selected readings from contemporary theory. In each section, the teacher will use one or two literary texts to test interpretative and theoretical approaches. **4**

Studies in Literature (ENGL-210) An intensive study of selected writers, works, literary genres, or themes. May be taken more than once for credit. **4**

Early British Literature (ENGL-213) A study of selected works by men and women writing in the 8th through the 17th centuries. With close attention to various genres and through various critical approaches, this course attends to literary and cultural developments as reflected in a variety of texts and contexts. **4**

18th- and 19th -Century British Literature (ENGL-214) A study of selected works by men and women in the 18th and 19th -centuries in England. The course pays close attention to various genres - satire, poetry, drama, criticism, and fiction - and is designed to sharpen students' reading, interpretive, critical and writing skills, while attending to literary and cultural developments in eighteenth-century, Romantic, and Victorian texts. **4**

Shakespeare (ENGL-215) A study of principal plays, emphasizing the poetic and dramatic aspects of Shakespeare's work, as viewed through a variety of critical perspectives. **4**

20th -Century Poetry (ENGL-219) A survey of 20th -century poetry. Attention to major poets as well as literary schools will be enhanced by attention to the wider history, philosophy and aesthetics of the time. **4**

20th -Century Fiction (ENGL-220) A survey of 20th -century fiction. Attention to major writers will be enhanced by attention to the wider history, philosophy and aesthetics of the time. **4**

Literary Nonfiction (ENGL-221) A survey of literary nonfiction writing in the 20th and 21st centuries that will ground students in the history and more recent developments of the genre as well as the ethical dilemmas of the genre. **4**

Women in Literature (ENGL-225) Selected poetry and prose by women guide inquiries into writing and gender and into related issues, such as sexuality, history, race, class, identity and power. Cross-listed with WGST 225. **4**

American Literature Before 1900 (ENGL-230) A historical survey of texts and literary movements in America before 1900. With attention to various genres and critical approaches, this course emphasizes literary responses to such issues as progress, national identity, race, gender, and the American landscape. **4**

Introduction to Creative Writing (ENGL-237) Offers a basic understanding of and experience in writing poetry, fiction, and creative nonfiction and teaches students to pay close attention to language and narrative, central elements of all long-form nonfiction writing. **4**

20th -Century Drama (ENGL-240) A survey of 20th -century drama with emphasis on British and American playwrights and an eye to female and minority dramatists disenfranchised from the main stages. **4**

Human Diversity Through Literature (ENGL-245) A study of selected works by and about bisexual, gay, lesbian and transgender people. **4**

Special Topics in 20th -Century Literature (ENGL-250) The survey will explore 20th -century literature in a range of genres and in relation to the historical and cultural movements of the century. Each section will focus on a specific topic or tradition in 20th -century literature, such as British, American, postcolonial Anglophone, Asian American, Jewish American, or African American literature. **4**

Ethnic Literature (ENGL-255) A study of the literature of various ethnic, racial and regional groups of the United States. This course explores cultural heritages, historical struggles, artistic achievements and contemporary relations of groups in American society. **4**

Contemporary African Novels in English (ENGL-260) A study of contemporary Anglophone African novels, all of which engage with histories and experiences of European colonialism. **4**

Nature and the Literary Imagination (ENGL-291) A study of humanity's relationship with and shifting conceptions of the nonhuman world. Reading selections vary, but generally include past and contemporary writers who reflect different ethnic and regional outlooks and who work in various modes, including literature, memoir, natural history and science. **4**

The Literature of Place (ENGL-298) An exploration of the ways in which literature and locale inform each other, this course focuses on a specific site or community. Through readings of literature "about" that place, the class investigates how cultural, social, historical, and/or institutional realities interrelate—as both cause and effect—with text. An optional trip to the place in question follows the semester. **4**

Intermediate Topics in English (ENGL-299) A general category used only in the evaluation of transfer credit. **1-4**

Studies in Literary Theory (ENGL-302) A study of major literary and cultural theories important to literary studies today. The course will emphasize readings in primary texts by critical theorists as well as applications of those theories to text of various kinds. The teacher may focus on in-depth studies of one or two critical or cultural theories. **4**

Studies in Literature (ENGL-310) An intensive study of selected writers, works, literary genres, or themes. May be taken more than once for credit. **4**

Studies in Composition and Rhetoric (ENGL-311) An intensive study of selected issues, historical periods, theory and theorists, research, or pedagogy in composition and rhetoric. **4**

Studies in the Short Story (ENGL-314) A study of selected works of major and representative writers working in the genre of the short story. This course may focus on a few specific writers (such as Eudora Welty or Raymond Carver), or on selected schools and movements (such as the avant-garde, naturalism, or modernism), or on special topics within the field (such as post-colonial fictions or Southern writing). **4**

African-American Women's Literature (ENGL-325) Historical and contemporary African-American women's literature grounds an inquiry into black women's literary and intellectual traditions within the matrix of race, gender, class and sexual relations in the United States. Cross-listed with WGST 325. **4**

Native American Literature (ENGL-326) A study of Native American literature that will provoke considerations of Native American cultural and religious traditions, historical and legal struggles, artistic achievements and contributions to contemporary American culture. **4**

Contemporary Drama (ENGL-340) Intensive study of drama from 1956 to the present, with an emphasis on British and American playwrights. The course will focus on the issues, problems, techniques, and generic forms particular to contemporary drama, with interest in the emerging drama of minority, female, and gay and lesbian playwrights. Course is cross-listed with QS 351. **4**

Studies in the English Novel (ENGL-341) This course will explore the English novel by studying special thematic topics, its evolution, and/or developmental influences. The course might include such authors as DeFoe, Fielding, Austen, Bronte, Gaskell, Dickens, Eliot or Hardy. **4**

Studies in the Contemporary Novel (ENGL-342) This class studies the movements and traditions within contemporary novels, focusing on such writers as Toni Morrison, Philip Roth, Zadie Smith, and Salman Rushdie. **4**

Studies in Contemporary Poetry (ENGL-343) This class studies the schools, movements, traditions and innovations within contemporary poetry, focusing on selected works of such writers as Anne Carson, W.S. Merwin, Carl Phillips, and Charles Wright. **4**

The English Language (ENGL-346) A study of the development of the English language and its dynamic presence in the world today. In addition to surveying the history of English from its Indo-European origins to the present time, units within the semester cover general linguistics topics, contemporary literacy controversies, and the social implications of dialect variation and changes in usage. **4**

Studies in Medieval British Literature (ENGL-348) Special topics courses studying the textual forms of England, Scotland, Wales and Ireland from 500 to 1500 CE. **4**

Studies in European Literature (ENGL-349) Selected works in translation from the Middle Ages through the 20th century. Depending on the topic of the seminar, authors studied may include such diverse figures as Chretien de Troyes, Dante, Christine de Pisan, Cervantes, Madame de Lafayette, Moliere, Goethe, Ibsen, Tolstoy, Calvino and Christa Wolf. **4**

The Harlem Renaissance (ENGL-355) An analysis of the interrelationship between the cultural phenomenon and the literature of the Harlem Renaissance, particularly the way in which the social, economic and political conditions of the era helped to shape the literary art of the 1920s. **4**

The Narrative of Black America (ENGL-356) A study of representative samples of Black literature ranging from slave narratives to contemporary Black fiction. **4**

Postcolonial Literature and Criticism (ENGL-357) Readings in literature and criticism from Asia, Africa, Latin American and the Caribbean, in response to the experience of colonialism. **4**

Directed Study (ENGL-361) Offers the student an opportunity to develop, with the help of an interested professor, a special program of study in a given topic for one semester. May be taken more than once. Directed Study credit may be used to count toward an English major, but it may not be used in place of required 300-level courses. **1-4**

Directed Study (ENGL-362) Offers the student an opportunity to develop, with the help of an interested professor, a special program of study in a given topic for one semester. May be taken more than once. Directed Study credit may be used to count toward an English major, but it may not be used in place of required 300-level courses. **1-4**

Independent Study (ENGL-363) Offers the student an opportunity to develop within a semester a wholly individualized program of study, to be supervised by an interested professor. Independent Study credits may be used to count toward an English major, but may not be used in place of required 300-level courses. **1-4**

Independent Study (ENGL-364) Offers the student an opportunity to develop within a semester a wholly individualized program of study, to be supervised by an interested professor. Independent Study credit may be used to count toward an English major, but may not be used in place of required 300-level courses. **1-4**

Studies in 16th- and Early 17th -Century British Literature (ENGL-365) A study of selected works of poetry, prose and drama from 1500-1660. **4**

Studies in Late 17th- and 18th -Century British Literature (ENGL-366) Special topics courses based in the literacy culture of England from roughly 1640-1800. **4**

Studies in 19th -Century British Literature (ENGL-367) Selected topics in the literature of 19th -century England. The course may focus on Romantic or Victorian authors or representative writers from both eras. **4**

Studies in 19th -Century American Literature (ENGL-368) Selected topics in the literature of 19th-century America. **4**

Studies in Early American Literature (ENGL-369) Selected topics in the writings of colonial and early national America. **4**

Late 17th- and 18th -Century Drama (ENGL-375) Studies in the production, reception and sociopolitical context of British drama from roughly 1660 to 1800. **4**

Narrative Nonfiction Writing (ENGL-380) A course in the writing of expository and narrative nonfiction essays. The course will focus on the deliberate rhetorical choices we make in writing, honing imaginative and analytic skills in ways that students can apply to multiple forms of writing, including essays, op-eds, feature articles, travel narratives, and reportage. **4**

Fiction Writing (ENGL-383) An advanced workshop course in fiction writing. Students will be asked to read a wide selection of short fiction and to complete and revise a significant collection of their original work. Students will attain a working knowledge of fictional forms, techniques and aesthetics. Prerequisite: ENGL 237. **4**

Creative Nonfiction Writing (ENGL-384) Gives students in-depth experience in narrative writing in a variety of literary nonfiction forms, ranging from the lyric and personal essay to long-form reportage. **4**

Poetry Writing (ENGL-385) An advanced workshop in poetry writing. Students will be asked to read a wide selection of poetry and to complete and revise a chapbook collection of their original works. Students will attain a working knowledge of poetic forms, technique and aesthetics. Prerequisite: ENGL 237. **4**

Advanced Topics in English (ENGL-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Seminar (ENGL-400) A required course for seniors that is organized around a theme or topic. All sections require frequent short reports to the class on research or reading. Each student will write a long paper as the basis for a major seminar presentation. **4**

Senior Research (ENGL-451) Senior students may work on an individually designed project for as much as two full semesters. **4**

Senior Research (ENGL-452) Senior students may work on an individually designed project for as much as two full semesters. **4**

Senior Writing Project (ENGL-453) This year-long project is required for a concentration in creative writing. Conducted under the directorship of a writing professor, each project will include an individual reading program and will result in a significant book-length manuscript of the student's creative work. **4**

Senior Writing Project (ENGL-454) This year-long project is required for a concentration in creative writing. Conducted under the directorship of a writing professor, each project will include an individual reading program and will result in a significant book-length manuscript of the student's creative work. **4**

Environmental Studies

Faculty

Professor Douglas Spieles, Director

Environmental Studies Faculty:

Olivia Aguilar (Environmental Studies), John Cort (Religion), Quentin Duroy (Economics), David Goodwin (Geosciences), David Greene (Geosciences), Amanda Gunn (Communication), Harry Heft (Psychology), Tom Henshaw (Environmental Studies), Rebecca Homan (Biology), Abram Kaplan (Environmental Studies), Jordan Katz (Chemistry), Rebecca Kennedy (Classics), Erik Klemetti (Geosciences), Jonathan Maskit (Philosophy), Sandra Mathern-Smith (Dance), Andrew McCall (Biology), Trey Proctor (History), Joe Reczek (Chemistry), Jessica Rettig (Biology), Karl Sandin (Art History and Visual Culture), Tom Schultz (Biology), Geoff Smith (Biology), Ahmed Soliman (Environmental Studies), Douglas Spieles (Environmental Studies), Catherine Stuer (Art History and Visual Culture), Steve Vogel (Philosophy), James Weaver (English), Andrea Ziegert (Economics); Academic Administrative Assistant: Brenda Franks

Program Guidelines and Goals

Environmental Studies is an interdisciplinary inquiry into the relationship between humans and the environment. Both a major and a minor are available to students with an interest in the rigorous study of these issues. The major requires students to develop a specific environmental focus as a concentration in addition to the environmental core and distribution courses. The minor in ENVS allows students to integrate an environmental perspective with their major field of study.

As an interdisciplinary area, Environmental Studies draws on work in the natural sciences, social sciences, humanities, and the arts. It endeavors to bridge these many intellectual approaches and perspectives in the hope that students will gain a deeper understanding both of the environmental concerns facing the world and of proactive opportunities for change. Among issues of concern and investigation are resource utilization, the impact of technology on ecosystems, relationships between the environment and sociocultural systems, geographic information systems analysis, environmental economics and policy, conservation of biological diversity, nature writing, alternative dispute resolution, environmental psychology, political ecology, environmental photography, sustainable agriculture and environmental ethics, among many others.

Environmental Studies Major

The Environmental Studies Major requires nine courses as part of a three-prong program:

1. *Four required core courses* : ENVS 101 People and the Environment; ENVS 102 Science and the Environment; ENVS 301 Junior Practicum Seminar; ENVS Senior Experience (either ENVS 401 Senior Project or ENVS 451-452 Senior Research)

2. *Five distribution courses* : Students are to take at least one course from each of the five categories listed below. No double counting is permitted among these distribution categories. See the ENVS website for a list of courses that may be used to fulfill these categories. Also note that some of these courses have prerequisites.

1) One environmental methods course from the approved courses on the ENVS website. Examples include: ENVS 215 Environmental Communication; ENVS 215 Renewable Energy Systems; ENVS 220 Approaches to Environmental Education; ENVS 222 and 223 Geographic Information Systems I and II; ENVS 240 Environmental Politics and Decision Making; ENVS 256 Farmscape; ENVS 262 Environmental Dispute Resolution; ENVS 274 Ecosystem Management; ENVS 284 Environmental Planning and Design; ENVS 290 Sustainable Agriculture.

2) One environmental course from the Humanities or the Arts from the list of approved courses on the ENVS website. Examples include: ENGL 291 Nature and the Literary Imagination; ENGL 368 Nature's Nation; ENVS 256 Farmscape; ENVS 290 Environmental History of Latin America; ENVS 290 U.S. Environmental Ethics; PHIL 260 Environmental Ethics; REL 205 Religion and Nature; CLAS 312 Ancient Identities.

3) One environmental course from the Social Sciences from the list of approved courses on the ENVS website. Examples include: ECON 202 Economic Growth and Environmental Sustainability; ECON 427 Environmental Economics; ENVS 196 Varieties of Environmentalism; ENVS 215 Environmental Communication; ENVS 220 Approaches to Environmental Education; ENVS 240 Environmental Politics and Decision Making; ENVS 262 Environmental Dispute Resolution; ENVS 265 Human, Indigenous and Environmental Rights; ENVS 284 Environmental Planning and Design; ENVS 334 Sustainable Agriculture; PSYC 225 Environmental Psychology; SA 345 Global Justice Movements.

4) One environmental course from the Natural Sciences from the list of approved courses on the ENVS website. Examples include: BIOL 202 Ecology and Evolution; ENVS 274 Ecosystem Management; GEOS 200 Environmental Geology; GEOS 240 Earth Resources.

5) One elective from any of the four distribution categories above or from the list of approved courses on the ENVS website.

3. *A concentration* : Concentrations can be completed in one of three ways: a second major (with demonstrable relevance to ENVS); a minor (with demonstrable relevance to ENVS); or a self-designed concentration (typically 6 courses and a full year of senior research). One course may double count between distribution (category II) and concentration (category III). Students declare their concentration in the Sophomore year.

Environmental Studies Minor

The Environmental Studies Minor requires six courses. Regular offerings are listed here for each category. Check with the ENVS program office for a list of special offerings that may be allowed to fulfill each requirement. Also note that some of these courses have prerequisites.

1) ENVS 101 - People and the Environment

2) ENVS 102 - Science and the Environment

Four distribution courses : Students are to take at least one course from each of the four categories listed below. No double counting is permitted among these distribution categories. See the ENVS website for a list of courses that may be used to fulfill these categories. Also note that some of these courses have prerequisites.

1) One environmental methods course from the approved courses on the ENVS website. Examples include: ENVS 215 Environmental Communication; ENVS 215 Renewable Energy Systems; ENVS 220 Approaches to Environmental Education; ENVS 222 and 223 Geographic Information Systems I and II; ENVS 240 Environmental Politics and Decision Making; ENVS 256 Farmscape; ENVS 262 Environmental Dispute Resolution; ENVS 274 Ecosystem Management; ENVS 284 Environmental Planning and Design; ENVS 334 Sustainable Agriculture.

2) One environmental course from the Humanities or Arts from the list of approved courses on the ENVS website. Examples include: ENGL 291 Nature and the Literary Imagination; ENGL 368 Nature's Nation; ENVS 256 Farmscape; ENVS 290 Environmental History of Latin America; PHIL 260 Environmental Ethics; REL 205 Religion and Nature; CLAS 312 Ancient Identities.

3) One environmental course from the Social Sciences from the list of approved courses on the ENVS website. Examples include: ECON 202 Economic Growth and Environmental Sustainability; ECON 427 Environmental Economics; ENVS 196 Varieties of Environmentalism; COMM 215 Environmental Communication; ENVS 220 Approaches to Environmental Education; ENVS 236 Political Ecology; ENVS 240 Environmental Politics and Decision Making; ENVS 262 Environmental Dispute Resolution; ENVS 265 Human, Indigenous and Environmental Rights; ENVS 284 Environmental Planning and Design; ENVS 334 Sustainable Agriculture; PSYC 225 Environmental Psychology; SA 345 Global Justice Movement.

4) One environmental course from the Natural Science from the list of approved courses on the ENVS website. Examples include: BIOL 230 Ecology and Evolution; ENVS 274 Ecosystem Management; GEOS 200 Environmental Geology; GEOS 240 Earth Resources.

Additional Points of Interest

Off Campus Study Students are encouraged to participate in study abroad programs when appropriate to enhance the concentration area or otherwise supplement course offerings at Denison. Students who want to study abroad should plan to do so during their junior year. Courses taken abroad that serve as substitutes for courses listed above or that are otherwise used to satisfy elements of the Environmental Studies major must be approved in advance by the Environmental Studies Director, prior to the student's departure for the off-campus program. A maximum of two off-campus courses may be used to satisfy requirements in the major for students who spend one semester off-campus, and a maximum of three off-campus courses may be used to satisfy requirements in the major for students who spend two semesters off-campus.

Course Offerings

People and the Environment (ENVS-101) A systematic introduction to multifaceted environmental problems facing the world today, primarily through the lenses of both the social science and humanities. The course provides an overview of solutions to present challenges through governmental action, collective effort, and personal initiative. We engage in the interdisciplinary study of the relationship between humans and the environment, looking at local, regional, and global scales. At the local level, the class may explore campus-level environmental issues, such as local food sources, recycling and energy use. We develop ideas about campus "greening," new technologies, and behavioral factors. At a global scale, we might investigate global climate change and the human dimension of its causes and solutions. Students will undertake research projects,

debate topical issues, sleuth for information, think critically, and present findings to disparate audiences. Course fulfills the Interdivisional (I) GE requirement. **4**

Science and the Environment (ENVS-102) This course provides an introduction to the biogeochemical aspects of environmental problems. Students will gain an understanding of the structure and function of ecological communities, as well as the non-living factors that regulate ecological change. Global chemical cycles are presented as a unifying theme for human interactions with nature and are the basis for discussion of environmental problems associated with agriculture, water use, global climate change, energy source, atmospheric change, land and resource use, and waste disposal. The laboratory component of the course exposes students to methods of measuring and monitoring environmental quality. Labs include experiential introductions to ecological relationships, toxicology, water and soil analysis, and geographic information systems. Students will apply concepts of experimental design, statistical sampling, and data analysis to evaluate environmental questions. Course fulfills the Quantitative Reasoning (Q) and Science (Y) GE requirements. Note: A score of 4 or 5 on the AP Environmental Sciences waives this requirement for the ENVS major or minor. **4**

Energy and Environment (ENVS-115) Energy, Environment and Climate is an introductory course that provides a comprehensive overview of the current energy systems that are in use today; including fossil, nuclear and renewable. The course introduces the basic scientific and physical concepts associated with the origins, the use and the environmental/climate impact of these energy systems. Emphasis is placed on real world examples through the introduction of several related case studies including oil exploration and hydro-fracking. Course fulfills ENVS elective and Quantitative Reasoning (Q) GE requirement. **4**

Special Topics Environmental Studies (ENVS-190) 4

Topics in Environmental Science (ENVS-199) A general category used only in the evaluation of transfer credit. **1-4**

Environmental Geology (ENVS-200) A broad survey of the geologic aspects of environmental issues, emphasizing human interactions with the geologic environment. Topics include geologic hazards, such as earthquakes, landslides and flooding; global water supply and water quality issues, especially groundwater contamination and remediation; and global environmental change, with emphasis on climate change and global warming. Prerequisite: A 100-level course taught by a Geoscience faculty. Course fulfills ENVS natural science and Writing (W) GE requirement. Cross-listed with GEOS 200. **4**

Economic Growth and Environmental Sustainability (ENVS-202) Economic growth is traditionally perceived as the solution to the socio-economic ills of poverty, unemployment and more generally underdevelopment. However, economic growth is also accompanied by increased pressure on and, over time, deterioration of the natural environment. The objective of this course is to explore the relationship between economic growth and the natural environment. While the concept of economic growth occupies a central place in economic policy-making, we will discuss whether economic growth is compatible with the sustainable-development worldview adopted by the UN and many other global and local economic actors. Sustainable development emphasizes the need to embark upon a development path that not only takes into account the environmental, social and economic needs of the present generation, but also those of future ones. Prerequisite: ENVS 101 and 102. Course fulfills the ENVS Social Science requirement. Cross-listed with ECON 202. **4**

Religion and Nature (ENVS-205) An investigation of the religious value of nature in Christianity and Buddhism, particularly in America and Japan. We look at how people in these cultures have viewed the place of humanity within the world of nature, and the relationships among humanity, God and nature. Course fulfills the ENVS Humanities requirement. Cross-listed with REL 205. **4**

Renewable Energy Systems (ENVS-215) Renewable Energy Systems provides students with a comprehensive overview of the different alternative energy systems that are in use today. The course will introduce the basic scientific and engineering concepts used in designing and analyzing different energy technologies. Some emphasis will be placed on real-world applications of such technologies through the introduction of several case studies related to the field. Course fulfills the ENVS Methods requirement. **4**

Approaches to Environmental Education (ENVS-220) Environmental education is a broad term encompassing a large array of ideas concerned with the purpose of and approach to engagement with the physical environment that should ultimately lead to environmental stewardship. This course addresses the "what" and "how" of environmental education. Students will be exposed to the various definitions and purposes of environmental education as well as the multiple approaches used to achieve these purposes. Through readings and hands-on experiences we will explore multiple practices in the field. Finally, we will develop our own environmental education curriculum based on our experiences in the class. Course fulfills the ENVS Methods or Social Science requirement. Cross-listed with EDUC 220. **4**

Geographic Information Systems I (ENVS-222) This course is an introduction to the concepts and uses of Geographic Information Systems (GIS) with particular application to environmental issues. The course consists of laboratory exercises on GIS data structures and sources of data, on the use of specific GIS tools, and on practical applications of GIS to real-world tasks. The student will gain skills in spatial data analysis, map generation, and data presentation using ArcGIS software. (Also offered as GEOS 222). After successful completion of this course, students who wish to develop advanced GIS skills may enroll in ENVS/GEOS 223. Satisfies half of an ENVS Methods requirement. **2**

Geographic Information Systems II (ENVS-223) This course is intended to give the student experience with advanced GIS applications. The focus will be on novel analyses of spatially explicit data pertaining to real-world environment issues (Also offered as GEOS 223). Prerequisite: ENVS/GEOS 222. Completion of 222 & 223 satisfies ENVS Methods requirement. **2**

Environmental Psychology (ENVS-225) An examination of the relationship between the environment and psychological processes. Topics examined in this course include how the character and the design of our environments can affect psychological well being, and how certain ways in which we perceive and think can constrain our efforts to comprehend and confront environmental problems. Other topics explored are early environmental experiences and development, environmental stressors such as crowding and noise, territoriality and privacy, environmental aesthetics, cognitive maps and way-finding behavior, effects of institutional size on performance, and attitudes toward the natural environment. Prerequisite: PSYC 100. Course fulfills the ENVS Social Science requirement. Cross-listed with PSYC 225. **4**

Ecology and Evolution (ENVS-230) This course explores the fundamental concepts of ecology and evolution and integrates them in a study of the interactions between organisms and their environment and how those interactions shape the history of life on Earth. With a thorough understanding of population genetics and natural selection, this course addresses ecological questions at the level of the individual, population community and ecosystem. A common thread that binds the course is the role of deterministic and stochastic processes in shaping ecological systems and macroevolutionary patterns. Prerequisite two of the three BIOL core courses or Consent of Instructor. Course fulfills the ENVS Natural Science requirement. Cross-listed with BIOL 230. **4**

Political Ecology (ENVS-236) What really causes deforestation? How is a fish 'cultural'? Why do Americans spend so much time and money on their lawns? Should we be saving people or endangered species? Why are ecosystem services so hard to privatize? Is obesity truly just a question of consuming too many calories? These are all questions that political ecology can help us to answer. Political ecology is an interdis-

ciplinary field that situates environmental change within broader networks of political, economic, and social relations. It differs from other environmental approaches in that it views power, material nature, everyday struggles and practices, social justice, and discourse to be critical components of human-environment interactions. In this course, we will: (a) study the theoretical foundations of political ecology, (b) evaluate some of the theses it puts forward, and (c) apply political ecology insights to contemporary environmental issues. Course fulfills the Writing (W) GE and ENVS Social Science requirement. **4**

Environmental Politics and Decision Making (ENVS-240) This course gives students a chance to explore the realm of proactive change in the environmental arena. It combines the theories of policy, the tools of problem solving, and the practice of dealing with environmental challenges in the real world of American government. The premise of the course is this: if you want to improve the state of the planet, you have to propose a solution. To make a solution happen, you should understand the process of getting an idea through the decision-making system. Effecting change requires a background in the system(s) that make things happen, whether you ultimately want to work within the system or outside it. This course is divided into two main components: an overview and implementation of problem solving techniques, and an in-depth examination of the U.S. Congress' role in environmental policy formation. The latter section culminates in a "Moot Congress" undertaken by students at the end of the semester. Prerequisite: ENVS 101. This is a core course in the ENVS major and minor. Not recommended for first year students. Course fulfills the Writing (W) GE requirement and the ENVS Methods or Social Science requirement. **4**

Farmscape: Visual Immersion in the Food System (ENVS-256) Every human being has an intimate relationship with food, often with deep emotional facets. Yet we in the U.S. know very little about the food system that sustains us – it is a mysterious and often invisible set of processes, organizations, and people. This remarkably complex web of inputs, labor, machinery, laws, subsidies, mergers, and so many other components is one that we take largely for granted. This class seeks to align that reality with another: we are an intensely visual species. A critical part of our existence that we experience through all of our senses is one we fail to comprehend through our primary sense. And we have this occasion to use sight in a formalized way – photography – to tell new stories, and to bring an artistic sensibility to our understanding of food, and perhaps ourselves. Through imagery, writing, and the curatorial process of exhibiting our work in a public setting, we have a truly unique opportunity. Our immersion in these critical issues can bring full circle the understanding we gain through many eyes to enhance awareness in other people about the ways in which our food system connects us all together. Course fulfills the ENVS Humanities requirement. **4**

Environmental Ethics (ENVS-260) This course investigates the question of our ethical relations and responsibility to objects and systems in the natural world, including animals, other living beings, non-living entities, ecosystems, and "nature" as a whole. It also asks about nature as such: what nature is, what the place in it is of humans, the role of human action in transforming nature, etc. The question of the relation of the natural to the social will receive special attention. Prerequisite: One previous course in Philosophy or Environmental Studies or consent. Course fulfills the ENVS Humanities requirement. Cross-listed with PHIL 260. **4**

Environmental Dispute Resolution (ENVS-262) An in-depth investigation of alternative dispute resolution (ADR) as an improved means to affect change in environmental conflict. Both an intellectual and hands-on introduction to the theory and practice of ADR, relying on research into theoretical aspects of conflict, attendance at both conventional litigatory and ADR hearings, and actual participation in ADR exercises. Fulfills University's Oral Communication general education requirement. Course fulfills the ENVS Methods or Social Science requirement. **4**

World Views: Spatial Imagination in East Asia (ENVS-263) This course engages the question: 'How are images used to imagine our place in the world?' Students are invited to study fascinating practices of

spatial image-making in East Asia from the inside out, by exploring these world-views from the perspective of their makers. You will be asked to pay special attention to how social and economic power structures inflect these representations: to envision and decode spatial imagery as a site of imagination, control and resistance. Artists and patrons in China, Japan, and Korea have for centuries produced elaborate maps and landscape imagery, photographs and film to imagine the world in a variety of ways. This course invites you to approach modern and contemporary representations of space in East Asia both in theoretically and historically informed ways. In the first part of the course, students build a frame of reference for their analysis of post-war case studies, by reading core texts in spatial theory, and exploring important visual representations of space from pre-modern East Asia. In the second part of the course, students apply these theoretical and historical approaches to select cases that exemplify more recent struggles over space and its imagination in East Asia. Course fulfills the ENVS Humanities requirement. **4**

Human Rights, Indigenous Rights, Environmental Rights (ENVS-265) This course explores two ongoing global debates among academics, activists and policy-makers within the concept of human rights: (1) To what extent should human rights be limited to a narrow range of clearly defined individual rights, and to what extent should they be expanded to cover a larger range of individual and collective rights? (2) Are indigenous communities necessarily better environmental stewards, and so does the extension of rights to these communities lead to better environmental protection? Course fulfills the ENVS Social Science requirement. **4**

Ecosystem Management (ENVS-274) Many of Earth's ecosystems are stressed and degraded as a result of human activities. Ecosystem management is the process of evaluating the biotic and abiotic features of ecosystems and stressors and manipulating those features toward a defined goal, such as conservation or restoration. In this course, students will apply aspects of systems ecology to management scenarios in particularly stressed ecosystems. Students will gain an understanding of systems ecology and will learn how ecological communities function within ecosystems and landscapes. After establishing this foundation, students will lead the exploration of some of our planet's greatest ecological systems. Lab sessions will give the students an opportunity to construct a computer-based simulation of an ecosystem and to apply ecological modeling as a management tool in both lab and field settings. Course fulfills the ENVS Natural Science requirement. **4**

Environmental Planning and Design (ENVS-284) This course examines a variety of local environmental planning processes and issues, focusing primarily on the communities surrounding Denison (Granville, Licking County), as well as the theories, concepts and tools of design, both at a community level and for individual buildings. Particular attention will be paid to controversial models of architecture and planning in order to understand some of the negative implications of conventional approaches. Field trips, group exercises, research and project competitions will form the basis for course evaluation. Course fulfills the ENVS Methods or Social Science requirement. **4**

Special Topics in Environmental Studies (ENVS-290) This course provides students with an opportunity to investigate particular environmental issues from diverse perspectives within the discipline. Environmental challenges and solutions of local, national and/or global scales are addressed, often with a hands-on and interactive format. This course covers with unique topics in each version for example, Forest Ecosystems, Ancient Identities, World Regional Geography and Nature's Nation. Students may enroll in this course more than once. Courses may fulfill different ENVS requirements depending on content; please consult course pre-registration materials for the particular semester when offered. **4**

Nature and the Literary Imagination (ENVS-291) A study of humanity's relationship with and shifting conceptions of the nonhuman world. Reading selections vary, but generally include past and contemporary

writers who reflect different ethnic and regional outlooks and who work in various modes, including literature, memoir, natural history and science. Course fulfills the ENVS Humanities requirement. **4**

Environmental Practicum (ENVS-301) This keystone course is primarily for ENVS majors; minors are welcome. This course provides the opportunity for students to gain hands-on experience working on real-world environmental problems. As a group, students work in an intensive format with a real "client" and real deadlines to research a problem, assess options, recommend solutions, and evaluate outcomes. Examples of projects include energy and water conservation, local land use planning, wetlands managements, reuse/recycling programs, agriculture preservation, and environmental education. (should be taken junior year). Prerequisite: ENVS 101 and 102; ENVS major or minor. Core course in the major. **4**

Wetland Ecology (ENVS-310) This course is a comprehensive study of wetland ecology, management, and policy. The main emphasis is on biological, chemical, and physical aspects of major wetland ecosystems found in North America. The course also deals with valuation, classification, and delineation of wetlands. A significant portion of the course focuses on local and regional wetland ecosystems: their history, ecology, and current status. Labs will be field-based explorations of the biology, chemistry, and ecology of these regional wetlands. Prerequisite: Biology core or consent. Course fulfills the ENVS Natural Science requirement. Cross-listed with BIOL 310. **4**

Sustainable Agriculture (ENVS-334) This course will expose students to the purposes and methods associated with sustainable agriculture. We will do this through readings, discussion and actual experience on local and sustainable farms. Throughout the semester we will reflect on the social, economic and environmental aspects associated with sustainable agriculture as well as actual practices affiliated with the modern sustainable agriculture movement. Students must be prepared to commit to working on farms each week as part of the lab requirement of this course. Course fulfills the Writing (W) GE, and the ENVS Social Science or Methods requirement. **4**

Directed Study (ENVS-361) **1-4**

Directed Study (ENVS-362) **1-4**

Independent Study (ENVS-363) **1-4**

Independent Study (ENVS-364) **1-4**

Advanced Topics in Environmental Studies (ENVS-399) A general category used only in the evaluation of transfer credit. **1-4**

Environmental Senior Project (ENVS-401) This course is required for ENVS majors with senior standing unless they are pursuing senior research (ENVS 451/452 or equivalent). This course provides an integrating and culminating experience for students, individually or in small groups, to engage with an environmental issue, either by conducting research related to this issue or by taking action on it in a way that is informed by their academic understanding. The primary objective is for each student to integrate their study of environmental issues at Denison and to develop skills in critically analyzing environmental problems and promoting environmental change. A primary focus is on writing: crafting a project proposal, communicating objectives and cogent arguments, reviewing and incorporating relevant literature, analyzing results and synthesizing conclusions. Students will have the opportunity to hone a major written work through several stages and to provide and receive peer review on written work. Prerequisite: ENVS core and ENVS 301, or consent. **4**

First-Year Program

Environmental Economics (ENVS-427) This course provides an examination of various economic issues facing business and government regarding the use of natural resources and the management of environmental quality. Students will develop an understanding of both the economic nature of environmental problems and the economic tools necessary to explore and devise potential policy solutions for environmental problems. In addition, students will examine the institutional framework within which environmental problems exist in order to understand those factors which may mitigate against economic solutions. Prerequisite: ECON 302. Course fulfills the ENVS Social Science requirement. Cross-listed with ECON 427. **4**

Senior Research (ENVS-451) **4**

Senior Research (ENVS-452) Senior. ENVS 452 is the continuation of ENVS 451; see information above. **4**

First-Year Program

Faculty

Associate Professor Mark Moller, Dean; Christie Kasson, Assistant to the Dean

Departmental Guidelines and Goals

The Office of First-Year Programs coordinates academic and co-curricular programs and services for first-year students, including: Advising Circles (AC 101s), academic advising, academic and adjustment counseling, and the summer orientation programs, among others.

The advising relationship is an important place for conversations that connect the dots between learning that happens inside and outside the classroom. Advising Circles provide an opportunity for small groups of first-year students to come together with their Academic Advisors to talk about curricular and co-curricular opportunities and what it means to be a member of the Denison community. Participating in a Circle allows a student to explore how the Denison community is shaped by a diversity of perspectives and to begin planning for four years of meaningful, educational experiences.

Students who have participated in Advising Circles have been overwhelmingly positive about their experience -- "I got to know my advisor so well, I wish our group had continued meeting weekly throughout the spring." Ninety percent of students who have taken an Advising Circle would strongly recommend it to entering students. Faculty are equally enthusiastic about their experience - "This is by far the best I have gotten to know my advisees. It was a very rich and rewarding experience." Advising Circles meet weekly in the fall and monthly in the spring.

Course Offerings

French

Faculty

Associate Professor Christine Armstrong, Chair

Associate Professor Christine Armstrong; Assistant Professors Isabelle Choquet, Yvonne-Marie Mokam; Visiting Instructor Julia Grawemeyer; Academic Administrative Assistant Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in subsequent courses dealing with the culture. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate a culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

Students who want to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). Students who have taken French 214 may also enroll in the intensive summer program in Martinique (contact Dr. Armstrong, Dr. Choquet or Dr. Mokam for more information). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

French Major

Students majoring in French must take a minimum of nine courses beyond FREN 211. The first six courses required for the major are FREN 213 (Cinema for French Conversation and Pronunciation), FREN 214 (Area Studies: France), FREN 215 (Intermediate French Readings and Grammar) or FREN 305 (Introduction to Francophone Texts), FREN 311 and FREN 312 (Surveys of French Literature), and FREN 418 (the Senior Seminar, to be taken during the senior year). The three other required courses will be advanced courses in literature, culture, or language.

French Minor

Students minoring in French must take six courses beyond FREN 211: FREN 213, FREN 214, FREN 215 or FREN 305, and three advanced courses in literature, culture, or language, at least one of which must be either FREN 311 or FREN 312.

Additional Points of Interest

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO which is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authentic materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

General Department Regulations Students planning to major in the Department are advised to begin course work in the first year. Those who wish to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. Whether students satisfy the language requirement by continuing with their secondary-school language or by taking up a new language, the Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable; the TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector that connects to a networked Mac computer, the DVD player and document camera.

The Language and Culture Program This exciting residential option gives students the opportunity to hone their language skills and to participate in special cultural events. Students who choose this residential option will live in close community with their peers who share their enthusiasm for languages and cultures. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Course Offerings

Beginning French I (FREN-111) A comprehensive introductory course in French through the four basic skills: aural comprehension, speaking, reading and writing. Does not count as credit toward a major or minor. Conducted in French. **4**

Beginning French II (FREN-112) A continuation in the development of the four basic skills: aural comprehension, speaking, reading and writing. Does not count as credit toward a major or minor. Conducted in French. Prerequisite: FREN 111. **4**

Introductory Topics in French (FREN-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate French (FREN-211) A completion of an overview of the structure of French. Emphasis placed on developing skills in speaking, writing, listening, and reading. Prerequisite: FREN 112 or placement. Does not count as credit toward a major or minor. Conducted in French. **4**

Cinema for French Conversation and Pronunciation (FREN-213) Training and refining of all skills, with an emphasis on pronunciation and oral communication. Conducted in French. Prerequisite: FREN 211 or placement. **4**

What Makes the French French? (FREN-214) The course deals with the question: "What makes the French French?" by examining several aspects of French culture, such as child rearing and the process of socialization, the structure of the family and society, and symbolic behavior. The approach compares American and French cultures. Conducted in French. Prerequisite: FREN 213 or equivalent. **4**

Intermediate French Readings and Grammar (FREN-215) Students will read extensively from Francophone literary works and works of general culture while reviewing French grammar in detail. Conducted in French. Prerequisite: FREN 213. May be taken concurrently with FREN 213 or equivalent. **4**

Topics in Intermediate French (FREN-299) A general category used only in the evaluation of transfer credit. **1-4**

Introduction to Francophone Texts (FREN-305) Approaches to comprehension and appreciation of literary texts through analysis and writing. Recommended as preparation for advanced work in French. Conducted in French. This course satisfies the upper level writing requirement. Prerequisite: FREN 215 or equivalent. **4**

Survey of French Literature I: From the Middle Ages through the 18th Century (FREN-311) Introduction to major literary and cultural movements and figures with readings from representative authors. Conducted in French. Prerequisite: FREN 215 or 305 or equivalent. **4**

Survey of Literature of French Expression: 19th-21st Centuries (FREN-312) Introduction to major literary and cultural movements and figures with readings from representative authors. Conducted in French. This course satisfies the upper-level writing requirement. Prerequisite: FREN 215 or 305 or equivalent. **4**

Texts in French: Themes (FREN-330) This course proposes the study of texts of French expression (taken in the broad definition, including the written text, film, music) through a theme such as Childhood Narratives in Francophone Caribbean Literature, Women Voices in Francophone Africa, Literary Children of the French Revolution, French Gastronomy, Maghrebi Immigration to France, Gide, etc. Conducted in French. This course satisfies the upper-level writing requirement. Prerequisite: FREN 305 or 311 or 312. **4**

Texts in French: Genres (FREN-331) In this course, students will discuss and analyze texts of French expression (taken in the broad definition, including the written text, film, music) through the common thread of genre such as Novels, Theatre, Film, Short Stories. Conducted in French. This course satisfies the upper-level writing requirement. Prerequisite: FREN 305 or 311 or 312. **4**

Directed Study (FREN-361) **1-4**

Directed Study (FREN-362) 1-4

Independent Study (FREN-363) 1-4

Independent Study (FREN-364) 1-4

Advanced Topics in French (FREN-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Seminar (FREN-418) Advanced study of special topics in language, literature or culture. Conducted in French. This course satisfies the upper-level writing requirement. Prerequisite: one advanced course beyond FREN 311-312. Must be taken in senior year. **4**

Senior Research (FREN-451) 4

Senior Research (FREN-452) 4

Geosciences

Faculty

Associate Professor Erik K. Klemetti, Chair

Associate Professor David H. Goodwin; Professor David C. Greene; Assistant Professor Ellen P. Chamberlin; Assistant Professor Matthew C. Jungers; Academic Administrative Assistant Ann Caldwell

Departmental Guidelines and Goals

In the Department of Geosciences we investigate the Earth in the broadest sense: how it formed, how it evolved and continues to evolve, how Earth systems interact to produce the environment in which we live, and how present and future changes may affect the habitability of Earth. The central goal of the department is to educate students about the nature and history of the Earth, the processes that shape the Earth, and the impacts those processes have on human populations.

An understanding of the Earth is an important component of global citizenship. Many critical environmental issues face humanity, including global climate change, water shortages, loss of arable land, natural hazards such as earthquakes and flooding, and the availability of petroleum and other energy resources. Citizens and professionals with training in the geosciences will contribute to addressing these and other problems, while increasing opportunities for humans to live sustainably on the Earth.

The department provides non-majors with a basic knowledge of the Earth and Earth processes that will serve their needs as future citizens and community leaders. Geoscience majors and minors develop a strong background in the geosciences in preparation for employment opportunities in fields such as environmental science, geotechnical engineering, exploration for natural resources, geologic research, environmental law, and earth science teaching. Many geoscience graduates continue their training in graduate school; others enter the work force directly.

Geosciences Major

There are two possible paths to the bachelor's degree in Geoscience: a Bachelor of Science in anticipation of advanced study in the Geosciences, or a Bachelor of Arts for those who seek a less specialized course of study. Earning a B.A. degree does not preclude a professional career in the Geosciences, although admission to some graduate programs may require completion of additional science and mathematics courses.

A student may graduate with a B.S. by taking one 100 level introductory geoscience course (e.g., GEOS 110, 111, 112, 114); two foundation courses GEOS 210 and 211; six elective GEOS courses, at least three of which must be at the 300 level; GEOS 380, the Senior Geoscience Seminar; and a geoscience field course (GEOS 400). Required additional science courses are CHEM 131 plus three courses from CHEM 132, BIOL 201-202, MATH 123-124, and PHYS 121-122 or 126-127. Students who want to pursue graduate study in the geosciences are strongly encouraged to take additional math and science courses beyond this minimum requirement.

Students seeking a B.A. degree must take one 100 level introductory geoscience course (see above); two foundation courses (see above); six elective GEOS courses, at least three of which must be at the 300 level; and GEOS 380, the Senior Geoscience Seminar. One cognate science course may be substituted for a 200 level elective GEOS course.

Both B.S. and B.A. students are required to pass a comprehensive exam, administered early in the second semester of the senior year.

Note that most upper level geoscience courses are offered in alternate years. Therefore careful schedule planning is important, especially if one pursues a semester of off-campus study.

Geosciences Minor

To minor in the Geosciences, a student must take one 100 level introductory geoscience course (see above), GEOS 210, and four additional courses in the Geosciences at the 200 or 300 level.

Major in Geosciences (Geophysics Concentration)

Students with an interest in this program should consult with the Geoscience and Physics chairpersons no later than their sophomore year.

Geography

Geography is a non-major field at Denison. A student who wants to pursue geography and related environmental/planning fields may follow the B.A. in Geosciences with a geography emphasis and a minor in a field such as Economics, Environmental Studies, History or Anthropology and Sociology; or develop an individually designed major in consultation with the Geoscience faculty. The curriculum is rich enough to allow geoscience majors to enter graduate schools of geography or regional and urban planning.

Additional Points of Interest

Abundant student research opportunities are available, including working with faculty in the field or laboratory, involvement with the Oak Ridge Science Semester described at [link \[ornl\]](#), and a variety of summer internships. Student employment opportunities within the department include working as teaching and laboratory assistants, and assisting in developing and maintaining departmental collections.

The C.L. Herrick Geological Society is an active, student-run organization, which coordinates guest lectures and social events throughout the academic year.

Safety glasses will be required for some field work and laboratory work.

Course Offerings

Physical Geography (GEOS-110) The study of earth surface processes and diverse environments around the world. Topics covered include weather phenomena, the distribution of the world's climates, global patterns of vegetation and soils, and the study of landforms. Laboratory exercises include local field trips, the analysis of weather and climate data, the interpretation of topographic maps and aerial photographs, a primer on common minerals and rocks, as well as occasional Google Earth excursions. This course is designed as an introductory course in the geosciences for both science and non-science majors. Fulfills the Quantitative Reasoning (Q) GE requirement. **4**

Planet Earth (GEOS-111) An introduction to the study of the Earth: how it formed, how it evolved, how Earth systems interact to produce the environment in which we live, how geologists interpret rocks and how humans use earth resources. Laboratory exercises include learning to identify and interpret minerals and rocks, using topographic maps to understand landscapes and landscape processes, and examining volcanic and earthquake hazard and mitigation. This course is designed as an introductory course in the geosciences for both science and non-science majors. Fulfills the Quantitative Reasoning (Q) GE requirement. **4**

Special Topics in the Geosciences (GEOS-112) Current topics include: Rare Earth - Building a Habitable Planet. What does it take to build a planet that harbors intelligent life? Are habitable planets common in the Universe, or is Earth the only one? In this course we will examine the development of planet Earth in light of the hypothesis that conditions necessary for a habitable planet are extremely rare in the universe. While emphasizing geology, this examination will involve us in aspects of biology and paleontology, astronomy and astrogeology, philosophy and even theology. Laboratory exercises will allow hands-on investigation of rocks, fossils, geologic maps, and other data important to our understanding of the development of planet Earth. This course is designed as an introductory course in the geosciences for both science and non-science majors. Fulfills the Oral Communication (R) GE requirement. **4**

Special Topics in the Geosciences (GEOS-114) Current Topics include: Climate Change - Cool Science on a Hot Topic. Global warming constitutes one of the most controversial issues you, and society at large, will face in the future. At the center of this debate lies the question, "Are we responsible for the recent increase in global temperature, or is this trend part of the natural variability in the climate system?" To evaluate these possibilities, we will examine the geologic record of climate change and the processes responsible for these variations. While the majority of our discussions will focus on geology, we will also touch on elements of oceanography, meteorology, biology, paleontology, as well as policy and politics. By the end of this course you will be able to make informed decisions about the climate change issues we are certain to face in the future. This course is designed as an introductory course in the geosciences for both science and non-science majors and to fulfill the Quantitative Reasoning (Q) GE requirement. **4**

Introductory Topics in Geosciences (GEOS-199) A general category used only in the evaluation of transfer credit. **1-4**

Environmental Geology (GEOS-200) A broad survey of the geologic aspects of environmental issues, emphasizing human interactions with the geologic environment. Topics include geologic hazards, such as earthquakes, landslides and flooding; global water supply and water quality issues, especially groundwater contamination and remediation; and global environmental change, with emphasis on climate change and global warming. Prerequisite: A 100-level course taught by Geoscience faculty. **4**

Historical Geology (GEOS-210) A survey of the geologic history of planet Earth. Major topics include global climate history, paleogeography, history of life, and tectonic development and evolution of the North America continent. Lab exercises focus on description and interpretation of sedimentary rocks and environments, and the history of biological evolution. Prerequisite: A 100-level course taught by Geoscience faculty. (Offered Spring) **4**

Rocks and Minerals (GEOS-211) An introduction to the minerals and rocks that make up the Earth, and how those materials influence the processes that operate within and on the surface of the planet. The framework of the course is the geological, chemical and physical basis for understanding the composition and physical properties of minerals, magmas and rocks, and the processes by which these materials form. An emphasis is placed on examining the interplay between earth materials, society and the environment. Prerequisite: A 100-level course taught by Geoscience faculty. **4**

Geographic Information Systems I (GEOS-222) This course is an introduction to the concepts and uses of Geographic Information Systems (GIS) with particular application to environmental issues. The course consists of laboratory exercises on GIS data structures and sources of data, on the use of specific GIS tools, and on practical applications of GIS to real-world tasks. The student will gain skills in spatial data analysis, map generation, and data presentation using ArcGIS software. (Also offered as ENVS 222). After successful completion of this course, students who wish to develop advanced GIS skills may enroll in ENVS/GEOS 223. **2**

Geographic Information Systems II (GEOS-223) This course is intended to give the student experience with advanced GIS applications. The focus will be on novel analyses of spatially explicit data pertaining to real-world environment issues (Also offered as ENVS 223). Prerequisite: GEOS 222. **2**

Earth Resources (GEOS-240) This course examines the Earth resources that humans exploit, including (but not limited to) fossil fuels, uranium, metals, water and soil, from both a geologic and societal perspective. We will study: (1) the geologic processes that form these deposits and control their distribution; (2) the methods used to extract the resources and; (3) environmental impact of extraction and resource use. We will also scrutinize the effect on society of the resource, including conflict, labor, sustainability and class issues. The course will combine lab activities, scientific discussion and readings from academic literature, popular media, and activist propaganda. The end result will be the ability to bring together the science of Earth resources with the broader human context of resource exploitation. Prerequisite: A 100 level course taught by Geoscience faculty or consent of instructor. **4**

World Regional Geography (GEOS-250) Modern geography explores the complex linkages between the natural world and the human or “built” environment. In this course, we study these relationships from a regional viewpoint. Excluding Anglo America, we tour the world’s regions examining the diversity of landscapes, the distributions of natural resources, and the patterns of agricultural land use and industrial development. From London to Lhasa we chart the growing interdependence of the world economy and the stark contrasts in resource availability and allocation between the developed and less-developed nations. This course provides a fundamental understanding of people’s material relationships with each other and the Earth. **4**

Geography of North America (GEOS-252) A regional geographic study of North America, focusing on climate, landforms, and natural resources as they relate to patterns of human settlement, land use, transportation and economic activity. **4**

Weather and Climate (GEOS-260) An introduction to the atmosphere and its complex dynamics on local to global scales. Topics include earth-sun relationships and global energy budgets, remote sensing of the atmosphere, large-scale atmospheric circulation, mid-latitude weather from thunderstorms and tornados

to large winter storm systems, the observation, measurement and prediction of local weather, global climate patterns, and the controls and impacts of global climate change both today and in the recent geologic past. **4**

Oceanography (GEOS-270) This course will provide students with an introduction to the world's oceans. Topics will include: the sea floor and its sediments; the physical properties and chemistry of seawater; ocean circulation; waves and tides; life in the seas; and environmental issues and concerns facing the oceans today. By the end of this course students will have explored many of the basic concepts in modern oceanography, and should be able to integrate new concepts and data into their developing knowledge of the Earth. **4**

Global Tectonics (GEOS-280) A study of geologic and tectonic processes at the global scale. Major topics include plate tectonic theory and development, topography and geology of the sea floor, plate geometries and processes at plate margins, volcanic arcs, collisional orogenies and mountain building, and the influence of tectonic processes on earth history. Prerequisite: GEOS 210 or 211 or consent of instructor. **4**

Intermediate Topics in Geosciences (GEOS-299) A general category used only in the evaluation of transfer credit. **1-4**

Geomorphology (GEOS-300) The systematic study of earth processes and landform development in tropical, temperate, arid and polar environments. We examine the range of surface processes including weathering, slope erosion, river and wind activity, and present and past glaciers to help understand landform evolution through recent geologic time. Particular emphasis will be given to the glacial and temperate environments of the north-central United States during the late Quaternary. Prerequisite: Any 200 level GEOS course taught by GEOS faculty or consent of instructor. **4**

Hydrogeology (GEOS-305) A systematic study of surface water pathways from rain to rivers, groundwater flow, groundwater resources and groundwater chemistry. Our emphasis will be geologic, examining the range of rocks and sediments and the dynamics of water movement through them. We study well hydraulics to characterize local aquifers and then expand to regional groundwater systems. We then examine the groundwater chemistry of different aquifer systems and a range of groundwater contamination issues. Prerequisite: GEOS 200 or 300 or consent of instructor. (offered in Spring in alternate years) **4**

Biodiversity Through Time (GEOS-308) An introduction to the study of fossil invertebrates with emphasis on preservation, taphonomy, diversity trajectories through geologic time, evolutionary mechanisms, extinction, paleobiology and paleoecology. Special emphasis will be placed on using fossils to interpret ancient depositional environments. Labs will introduce the student to the major invertebrate phyla commonly preserved in the geologic rock record. Prerequisite: GEOS 210 or BIOL 202 or BIOL 230. (offered in Fall in alternate years) **4**

Structural Geology (GEOS-311) Study of the deformation of the Earth's crust. How and why rocks deform; geometry and interpretation of folds, faults, and rock fabrics; regional tectonics and mountain building. Labs emphasize interpretations of geologic structures in hand specimens, outcrops and geologic maps; and includes opportunities for geologic field mapping and a weekend field trip to the Appalachian fold and thrust belt. Prerequisite: GEOS 210 or 211 or consent of instructor. **4**

Igneous and Metamorphic Petrology (GEOS-312) An examination of the processes that produce igneous and metamorphic rocks. The course emphasizes the reasoning and approaches used to understand rock-forming processes, including field geology, petrography, geochemistry and petrologic modeling. The key topics include the formation of magmas in different tectonic settings, the physical processes of volcanism and using metamorphic reactions to assess the tectonic history of rocks. Prerequisite: GEOS 211 or consent. (offered in Spring in alternate years) **4**

Sedimentology and Stratigraphy (GEOS-314) This course is an introduction to sedimentary processes and sedimentary rocks. The course will cover three major areas: (1) physical sedimentology (how sedimentary rocks are formed); (2) depositional systems (where sedimentary rocks are formed and how they differ from place to place); and (3) stratigraphy (how sedimentary rocks are used to solve geological problems). Labs will expose students to sedimentary rocks under the microscope, in hand sample, and in the field. Prerequisite: 210. (offered in Fall in alternate years) **4**

Geochemistry (GEOS-320) An introduction to geochemical principles focusing on surface processes and low temperature geochemistry. Major topics include nucleosynthesis, differentiation of the crust, low-temperature aqueous geochemistry, light stable isotope fractionation, long and short-term carbon cycles, and chemical evolution of the oceans and atmosphere. Prerequisite: CHEM 131 or consent. **4**

Special Topics in Geosciences (GEOS-340) **4**

Directed Study (GEOS-361) Individual readings and laboratory work in a student's field of interest within the Geosciences. **1-4**

Directed Study (GEOS-362) Individual readings and laboratory work in a student's field of interest within the Geosciences. **1-4**

Independent Study (GEOS-363) **1-4**

Independent Study (GEOS-364) **1-4**

Geoscience Senior Seminar (GEOS-380) This course is designed to help majors apply what they have learned throughout their undergraduate careers to a real-world issue or topic in the geosciences. The seminar will meet weekly with all members of the Geoscience faculty. The seminar topic will be selected by the entire geosciences faculty. Both students and faculty will be responsible for presenting summaries of weekly readings, although the majority will be presented by students. The course will be organized and administered by the department chair. Geoscience majors with senior standing or permission of instructor. (offered in Spring) **1**

Advanced Topics in Geoscience (GEOS-399) A general category used only in the evaluation of transfer credit. **1-4**

Field Course (GEOS-400) A B.S. major in Geosciences must register for an approved summer field course offered by any one of a number of universities. Upon the successful completion of the course, the student receives credit transferable to their record at Denison. **4-8**

Selected Topics in Geoscience (GEOS-401) An advanced seminar or problem-oriented course which involves a semester-long investigation of such topics as field techniques in geosciences, advanced structural geology, geochemistry, or geomorphology. **2-4**

Selected Topic in Geography (GEOS-402) An advanced seminar or problem-oriented course which involves a semester-long investigation of a global perspective in such issues as ocean resources and territorial rights, population growth, and food needs. Prerequisite: A 200-level course or permission of instructor. **2-4**

Senior Research (GEOS-451) **4**

Senior Research (GEOS-452) **4**

German

Faculty

Associate Professor Christine Armstrong, Chair

Professor Gary Baker, Associate Professor Gabriele Dillmann; Visiting Assistant Professor Eva Revesz;
Academic Administrative Assistant Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in subsequent courses dealing with the culture and society. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate a culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and various areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

German Major

Students majoring in German must take a minimum of nine courses beyond German 112. Major electives would include a combination of 200 and 300 -level classes. Of these, at least one course must be a literature course and one must be an area studies course.

213-Intermediate Conversation and Composition (or equivalent)

214-Communication and Writing Skills

304 or 305-German Culture and Civilization

311-Introduction to German Literature(recommended) or another German Literature course

Senior Project

Three of the five remaining required courses must have some literary content, taken from Denison's course offerings or equivalent courses offered by an approved program abroad. The other two courses can be advanced

language or a second civilization course. Seniors complete one major project in the context of a 300 level course taken in the senior year.

German Minor

A student minoring in German must take at least five advanced language courses above the 112 level, including one literature course, and one course in area studies. Recommended courses:

German 213-Intermediate Conversation

German 214-Communication and Writing Skills

German 304 or 305-German Culture and Civilization

German 311-Introduction to German Literature or one other German Literature course or German 302

Additional Points of Interest

General Departmental Regulations Students planning to major in the Department are advised to begin course work in the first year. Those who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO which is a wireless collaboration and presentation solution that makes sharing and presenting easier with all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authenticated materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a small kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices with which to enrich our students' learning experiences. This room has a 52-inch flat screen TV that is connected to a satellite dish, which provides us with SCOLA television services from around the world. The TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector, which connects to a networked Mac computer, the DVD player, and document camera.

The Language and Culture Program Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices with which to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable. The TV is also connected to a zone-free DVD

player and a document camera. The lounge has a ceiling-mounted data projector, which connects to a networked Mac computer, the DVD player and document camera.

Course Offerings

Beginning German I (GERM-111) A comprehensive introductory course in German develops the four basic skills: aural comprehension, speaking, reading and writing. Does not count as credit toward a major. **4**

Beginning German II (GERM-112) A comprehensive introductory course in German develops the four basic skills: aural comprehension, speaking, reading and writing. Does not count as credit toward a major. Prerequisite: GERM 111 or placement. **4**

Introductory Topics in German (GERM-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Conversation and Composition (GERM-213) Intensive practice in all modalities to improve intermediate level skills. Work in the Language Lab and composition writing will constitute a part of the course. This course satisfies the Oral Communication general education requirement. Prerequisite: GERM 112 or placement. **4**

Review: Communication and Writing Skills (GERM-214) Intensive review of grammar and writing skills which aims to increase oral and written accuracy. Conducted in German. Prerequisite: 213 or consent. **4**

Intermediate Topics in German (GERM-299) A general category used only in the evaluation of transfer credit. **1-4**

Special Topics Seminar (GERM-302) A seminar with an emphasis on culture and literature focusing on a specific theme or topic. Topics have included Berlin, national identity, love in literature of the 90s, creative poetry writing, suicide in German literature, victims and perpetrators in German literature, migration and refugees and grammar review/advanced writing proficiency. Prerequisite: Two semesters of intermediate level German or consent. **4**

German Culture and Civilization: 19th Century to 1933 (GERM-304) German culture in its historic context of the 19th century to 1933. Study of the development of German culture and civilization as represented in literature, art, architecture, philosophy, music and film. Conducted in German. Prerequisite: Two semesters of intermediate level German or consent. **4**

German Culture and Civilization: 1933 to Present (GERM-305) German history and culture from 1933 to the present. Study of the development of German culture and civilization as represented in literature, art, architecture, philosophy, music and film. Special emphasis on Germany and Austria as multicultural societies. Conducted in German. Prerequisite: Two semesters of intermediate level German or consent. **4**

Introduction to German Fiction and Non-Fiction (GERM-311) The goal of the course is to train the students in the techniques of reading, analyzing and responding to literary and non-literary texts such as, short prose fiction, plays, films, poetry, essays, articles, biographies, etc. Short compositions in German throughout the semester constitute an essential element of the course. This course satisfies the upper level writing requirement. Conducted in German. Prerequisite: Two semesters of intermediate level German or consent. **4**

German Literature and Film (GERM-312) A close study of works by Mann, Kafka, Hesse, Böll, Grass and others. Films by directors such as Lang, Fassbinder, Herzog, von Trotta, Tykwer, Schlöndorff, Wenders,

Akin, Link, and others are also a focus of this course. An introduction to film theory complements this course. Prerequisite: Two semesters of intermediate level German or consent. **4**

German for Commerce (GERM-315) Advanced language course with emphasis on commercial practices, business culture and economic sphere of German-speaking countries. Focus on interpersonal communication, employment opportunities using the German language, and training in the correspondence and vocabulary of commerce. Prerequisite: Two semesters of intermediate level German or consent. **4**

The Romantic Period in German (GERM-321) A study of the works of Novalis, Tieck, Brentano, Gunderode, Eichendorff, Hoffmann, and Heine. Prerequisite: Two semesters of intermediate level German or consent. **4**

German Drama: "Enduring Themes in German Theater" (GERM-322) An introduction to German, Swiss, and Austrian of the 19th and 20th century covering literary periods and drama theory with authors including, but not limited to: Lessing, Schiller, Goethe, Lenz, Kleist, Buchner, Hebbel, Grillparzer, Hauptmann, Wedekind, Frisch, Brecht, Durrenmatt. Prerequisite: Two semesters of intermediate level German or consent. **4**

Directed Study (GERM-361) **1-4**

Directed Study (GERM-362) **1-4**

Independent Study (GERM-363) **1-4**

Independent Study (GERM-364) **1-4**

Advanced Topics in German (GERM-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Project (GERM-441) Senior German majors register for this credit with a regularly scheduled 300-level class. **1**

Senior Research (GERM-451) **4**

Senior Research (GERM-452) **4**

Global Commerce

Faculty

Karen Spierling, Director

Gary Baker (Modern Languages), Theodore Burczak (Economics), Katy Crossley-Frolick (Political Science), Veerendra Lele (Anthropology/Sociology), Mariana Saavedra Espinosa (Global Commerce), Karen Spierling (History). Program Administrator: Jane Palmer

Departmental Guidelines and Goals

The Global Commerce major explores the nature of commerce in a globalized society. The major provides an interdisciplinary examination of globalization and its relationship to markets and exchange. Majors will

be obliged to take charge of their liberal arts experience as they design a “Global Focus” (in GC 200) that is intended to foster a deep understanding of a particular geographic area by studying its culture, history, social context, and language(s). The immersion in a self-crafted “Global Focus” is paired with intermediate language study and the development of a core of applied skills (GC 201) related to the areas of commerce, business, and entrepreneurship – i.e., skills related to multiple workplace environments. These elements are brought together in a sequence of courses (GC 101, 301, and 401) that aims to provide progressive enhancement of student understanding of the ways in which the economy and trade are connected to culture, social movements, and other global factors. Through sustained initiatives to develop cohort identity, the GC major also seeks to enrich student engagement with one another and with faculty teaching courses in both the Commerce Core, and courses related to the global areas of study. Throughout their major experience, students will develop sophisticated analytical skills in assessing and engaging in a globalized society.

Learning goals for Global Commerce major include the development of an advanced understanding of the complex interrelationship between commerce and cultural context; immersion in the study of a particular geographic area, emphasizing the study of culture, history, social context, and language, or, for those students pursuing the “transnational option,” the development of an advanced understanding of the flows and exchanges of information and commodities; the development of student creativity and autonomy in creating a meaningful and coherent global focus or transnational option; the development of intermediate-level language acquisition in conjunction with an area study; the integration of a significant off-campus experience with the curricular study of commerce and cultural context; the development of a sound understanding of the elements of commerce, including basic aspects of financial accounting, spreadsheet proficiency, business language and etiquette, and business ethics; the development of progressive student understanding of the ways in which the economy and trade are connected to culture, social movements, and other global factors; and the development of a student cohort of supportive engagement via progressive seminars in the major.

Global Commerce Major

Required Components (16 courses - 60.5 credits total)

- 8-course Commerce Core (28.5 credits)
- 2 intermediate language courses (i.e., two courses beyond the 112 level) (8 credits)
- 6-course Global Focus (24 credits)
- 1 Off Campus Experience

Commerce Core The Commerce Core is required of all majors. The Core consists of eight courses:

- ECON 101: Introductory Macroeconomics
- ECON 102: Introductory Microeconomics
- MATH 102: Elements of Statistics
- GC 101: Commerce & Society
- GC 200: Global Focus Proposal (prerequisite GC 101)
- GC 201: Elements of Commerce (prerequisite GC 101, co-requisite GC 200)
- GC 301: Global Financial Markets (prerequisites ECON 101 & 102)
- GC 401: Global Commerce Senior Seminar (prerequisites GC 101, 201, 301)

Language Courses: Significant language study is essential to understanding the ramifications of a global society. All Global Commerce majors are required to attain depth in a language other than English, typically by taking at least two language courses beyond the 112 level. Additional language study is strongly encouraged, and any additional language courses can apply toward the Global Focus. If students are already native speakers of a language other than English, they will be expected to fulfill the language requirement of the

Global Commerce major by studying at least two semesters of a language other than English or by making alternate arrangements with the approval of the Global Commerce Director.

Global Focus: The Global Commerce major seeks to integrate the study of commerce with a deep understanding of the cultures and societies of a geographical region beyond North America. Courses in the Global Focus are drawn from the Humanities, Arts, and Social Sciences. Majors are required to choose one of the following geographic areas as a Global Focus:

- Africa/Middle East
- Asia
- Europe
- Latin America/Caribbean

The Global Focus consists of six courses (see lists of qualifying courses available from the Program Director), at least four of which must address the particular field. Two of the courses can be cognates. No more than three of the Global Focus courses can be taken off-campus. Any exceptions must be approved by the Global Commerce Program Director in consultation with the Global Commerce committee. Students will develop a cohesive curricular plan for their Global Focus in GC 200.

Transnational Option: The Global Focus component of the major also can be fulfilled through a “transnational option.” In this option, students focus on the flow and exchange of information. The sophomore seminar proposal would need to make a clear case for the pursuit of the transnational option and identify specific courses toward this end. Students electing the transnational option would still be obliged to meet the language requirement.

Off-Campus Study: An off-campus experience is required of Global Commerce majors. When possible, the off-campus experience will occur in the geographical region of the Global Focus or will be tied to the Global Focus in terms of topics of study. In the GC 200 proposal assignment, students will be required to indicate the form and rationale supporting their choice of an off-campus experience. The types of experiences that would fulfill the Global Commerce off-campus requirement include:

- Semester of participation in a Denison approved Off-Campus Study program.
- A Denison Seminar or other academic course with a travel component.
- Independently designed off-campus experiences, such as internship and “volun-tourism” opportunities, per approval of the Global Commerce committee.

Course Offerings

Commerce and Society (GC-101) This course provides a thematic introduction to global commerce, emphasizing the interrelationship of commerce and society. The particular topic of the course will vary dependent upon the instructors’ choice, but students in all sections will explore the relationship of commerce and society from an interdisciplinary perspective, emphasizing the ways in which the economy and trade are connected to culture, social movements, and other global factors. This course ideally is team-taught. GC 101 is required for all Global Commerce majors and is a prerequisite for Global Commerce 201. **4**

Introductory Topics in Global Commerce (GC-199) A general category used only in the evaluation of transfer credit. **1-4**

Global Focus Proposal for Global Commerce (GC-200) The required sophomore course for all Global Commerce majors. The goals of this half-credit course are to create a vibrant intellectual community of students and to assist students with their design of their six-course Global Focus through classroom discussion, peer review, and presentation and through consultation with the course coordinator (Global Commerce Program

Director), faculty advisor, Director of Off-Campus Study, the Global Commerce Program Administrator, and other interested faculty members. Through these processes, the students will chart out their courses in their Global Commerce major for the next four or five semesters—including coursework from potential off-campus study programs that they wish to count toward the major. By the completion of the course, students will submit and present the Global Focus proposal, in which they synthesize intended coursework, an off-campus experience (off-campus study and/or an internship), and language training in a way that allows them to develop a coherent area of focus within Global Commerce. The course coordinator will evaluate the proposals, in consultation with the Global Commerce Program Committee as necessary. GC 200 is a prerequisite or co-requisite for GC 201. **5**

Elements of Commerce (GC-201) This course provides an introductory focus to the elements of global commerce. The course features three main components: an introduction to the language and forms of business, an overview of accounting fundamentals, and discussion of business ethics. Throughout the course, students will gain significant facility in spreadsheet development and manipulation. GC 201 is required for all Global Commerce majors and is a prerequisite for Global Commerce 401. It normally would be taken during the sophomore year. **4**

General Topics in Global Commerce (GC-250) Open to intermediate students. These courses will be offered in a variety of areas related to Global Commerce. Prerequisite: GC 101. **4**

Intermediate Topics in Global Commerce (GC-299) A general category used only in the evaluation of transfer credit. **1-4**

Global Financial Markets (GC-301) The course explores the determination of exchange rates and global interest rates and how they can be affected by national monetary policies. The historical and institutional development of the global financial system will be investigated with an emphasis on the differential effects of international finance on developed and developing countries. GC 301 is required for all Global Commerce majors and is a prerequisite for GC 401. **4**

Seminar in Global Commerce (GC-350) Open to advanced students. These topical seminars will be offered in a variety of areas related to Global Commerce. Prerequisite: GC 201 and ECON 102. **4**

Directed Study (GC-361) **1-4**

Directed Study (GC-362) **1-4**

Independent Study (GC-363) **1-4**

Independet Study (GC-364) **1-4**

Advanced Topics in Global Commerce (GC-399) A general category used only in the evaluation of transfer credit. **1-4**

Global Commerce Senior Seminar (GC-401) This course serves as the capstone to the Global Commerce major. The senior seminar will provide students with a significant research experience culminating in the GC Senior Experience; either a) the creation of a significant research project or b) the accomplishment of a significant applied experience including a sophisticated reflective component. Both forms of the GC Senior Experience will culminate in a public presentation of that describes and assesses the work. Both forms must also incorporate elements of the Global Focus or transnational perspective developed as a component of the major. Alongside the development of the GC Senior Experience, students will also explore advanced scholarly work on the topic of Global Commerce. GC 401 is required for all Global Commerce majors. **4**

Senior Research (GC-451) 4

Senior Research (GC-452) 4

Health, Exercise, and Sport Studies

Faculty

Nan Carney-DeBord, Associate Vice President; Director of Athletic & Recreation; Chair & Professor of Health, Exercise, and Sport Studies

Sara Lee, Associate Athletics Director and Senior Woman Administrator

Brian Hartz, Assistant Athletics Director and Director of Sport Medicine

Gregory Lott: Assistant Athletics Director and Assistant Professor of HESS

Eric Winters, Associate Professor; HESS Chair of Curriculum Committee

Lynsey Whisner, Physical Education Coordinator

Professors Nan Carney-DeBord, Sara Lee, Gregg Parini; Associate Professors Brian Hartz, Eric Winters; Assistant Professors Michael Caravana, Amanda Daniels, Michael Deegan, Mark FitzPatrick, Bob Ghiloni, Jack Hatem, Gregory Lott, Gail Murphy, Tiffany Ozbun, Rob Russo; Instructor, Carter Cassell; Academic Administrative Assistant Cindy Londot

Health, Exercise, and Sport Studies

Denison University

100 W. College Street Granville, Ohio 43023

Departmental Guidelines and Goals

Liberal-arts colleges such as Denison University strive to cultivate an atmosphere in which individuals gain an appreciation and capacity for sustained personal growth. This self-disciplined approach to personal growth will result in autonomous thought, moral discernment, and contributions to a democratic society. Our department offers the community an extensive environment in which individuals pursue these shared values.

While tradition dictates the department have three aspects - Athletics, Recreation, and Academic Curriculum - the philosophy of these three areas need not be segmented. Put simply, the department pursues the advancement of the individual through the instructional medium of the physical body. We believe that study of the body and its complexity deepens comprehension. Physical exercise improves physical capacity. Performance guides self-referential thought. Competition yields a drive for improvement. And striving for success within a team strengthens the ties that shape community. At each level there is agreement that individuals must exercise autonomous thought, act individually within the context of their moral structure, and contribute to the shared environment.

The Athletics, Recreation, and Health, Exercise, and Sport Studies department is positioned within the Denison University community to provide experiences that facilitate the liberal-arts mission. These experiences will enable our students' ongoing efforts to: achieve personal insight, clarify values, orient action, refine effort, and achieve success.

Health, Exercise, and Sport Studies Major

Within the Health, Exercise, and Sport Studies major, students encounter the physical body, its vulnerability to disease/injury, exercise related physical adaptations, and the competitive contexts within which performance is measured. The curriculum presents the principles and theories that guide the practices of the health and exercise sciences, and the social construction of sporting culture. Integration of principles and theory, with practice, is accomplished by completing a senior project that reflects the methods and values to which the student aspires.

Health, Exercise, and Sport Studies Requirements

2. Complete the following HESS 200 level courses: HESS 200, HESS 201, HESS 202
3. Complete four courses within the HESS 300's (Excluding HESS 350-91)
4. Complete three courses within the HESS 400's.

Students may choose to complete BIOL 334, Comparative Physiology, as one course within this category.

Students who complete both HESS 451 & HESS 452 will satisfy one course within this category.

5. Complete three credit hours during the senior year within HESS 350-91 (1.5 credits Fall & 1.5 credits Spring)

Course Offerings

First Aid & CPR (HESS-100) It is expected that students will master the techniques and skills that are associated with the primary and secondary injury survey, immediate care, basic life support, and injury stabilization. Students who master the standards will receive American Red Cross certification in first aid and CPR. Students who expect to major in athletic training must complete the CPR for the professional rescuer prior to the conclusion of their first-year. **1**

Women in Sport (HESS-101) This course is designed to give students a comprehensive look at women in sport: past, present and future. This course will examine, analyze and synthesize the issues surrounding women. Each topic will be studied through readings, films, class discussions and reflect sport from historical, psychological, sociological, physiological, political and philosophical perspectives. This course satisfies the G.E. Minority/Women's and Gender Studies requirement. Cross-listed with WGST 320. **4**

Contemporary Issues in Physical Education, Health and Sport (HESS-102) This course is designed to provide students with an overview of the major issues in the world of contemporary sports. Most primary issues impacting contemporary sports are covered including gender inequity, race and ethnicity, youth, adolescent, college, and professional sports, media involvement, economics of sport, etc. **3**

Coaching Methods (HESS-103) This course will introduce students to the art and science of coaching. Students will explore different coaching philosophies and the principles of effective coaching. Coaching student athletes of different race and gender will also be explored. Proper communication skills, sport pedagogy and sport physiology will also be presented. Students will read about different coaches that are leaders in their sport, and compare their methods to coaching. Students will discuss motivational strategies and current issues and trends in coaching athletes of all ages. **4**

Introductory topics in Athletics, Recreation and Health, Exercise and Sport Studies (HESS-199) A general category used only in the evaluation of transfer credit. **1-4**

History and Philosophy of Health and Sport (HESS-200) This course will examine the historical foundations of physical education, health and athletics through a study of the development of each area from

early cultures to the present. Students will be introduced to the different philosophical theories that have influenced the profession and will start to develop their own philosophy. Students will discuss moral reasoning and ways to develop principles that will help preserve ethical values in sport. The psychological, sociological and cultural aspects of sport will be reviewed with an emphasis on the principles and ideas of the leaders who helped shape the profession. Course fulfills Social Science (E) GE requirement. **4**

Fundamentals Health/Exercise (HESS-201) This course is designed to present introductory material that pertains to the study of health and exercise. Material presented during lecture and laboratory experiences include: organization of body's systems and exercises impact on those systems, medical terminology, common medical conditions, principles of fitness, fundamentals of nutrition, common behavioral theories and psychology of sport, as well as principles of motor behavior and kinetics. Laboratories involve the teaching, demonstration, and mastery of exercise science labs. Three class periods and one laboratory weekly. **4**

Applied Anatomy (HESS-202) An in-depth study of the organization and function of anatomical structures within the human body. Topics include: skin, connective tissue, nervous, musculature, skeletal, digestive, respiratory, cardiovascular, endocrine, and urinary systems. Students who expect to major in athletic training must complete this course prior to the conclusion of their first-year. **4**

Intermediate topics in Athletics, Recreation and Health, Exercise and Sport Studies (HESS-299) A general category used only in the evaluation of transfer credit. **1-4**

Personal and Community Health (HESS-300) A study of the biological, psychological, and sociological data underlying a full spectrum of health related behaviors. A variety of topics including physical health, sexual habits and health, drug and alcohol use and family dynamics will be covered. In addition, students will complete a number of self-assessments with respect to their related behaviors. **3**

Psychology of Sport (HESS-301) This course will explore the theoretical and empirical research pertaining to the psychological determinants of athletic performance. Areas of interest include the history of sport psychology, personality, motivation, goal setting, fundamental beliefs, anxiety, causal attribution, communication and intra-term dynamics. The culminating experience of the course is a major paper in which students are expected to apply theory and research into a practical setting as they design a program to help improve some aspect of their athletic performance or promote an injured athlete's psychological well being during rehabilitation. Class includes a lab designed to be a setting in which students gain field experience through the practical application of the theories of sport psychology. Course fulfills Social Science (E) GE requirement. **4**

Nutrition (HESS-302) This course is designed to present the foundation of nutrition as it relates to physical education, athletics and the active population. The student will study the physiological processes involved in nutrition, as well as healthy eating habits, nutritional programming, and the disorders involved in the nutritional realm. Prerequisite: PHED 344. **4**

Therapeutic Modalities (HESS-303) This lecture/laboratory course is designed to present the foundation of therapeutic modalities that are common to the area of injury/illness rehabilitation. Among the topics included in lecture and laboratory experiences are: biologic process of wound healing, thermal agents, cryotherapy, hydrotherapy, ultrasound, therapeutic drugs, and transcutaneous electrical nerve stimulation. This course includes one laboratory session each week during which students will demonstrate the therapeutic techniques discussed in lecture. Fulfills R requirement/Oral Communication. Prerequisite: HESS 202. **4**

Kinesiology (HESS-304) This course is a study of the anatomical and mechanical fundamentals of human motion. The course will examine various joint systems in the body with an emphasis on the forces and bio-

mechanical factors that operate on the muscles, connective tissue and bones in each joint system. Sports specific movements and injury risk factors will also be discussed. Prerequisite: HESS 202. **3**

Chronic Disease Prevention (HESS-305) This is a course aimed at introducing students to the behavioral basis of diseases. It provides an important foundation for students in the understanding of diseases and the role of behavioral decision making in chronic disease prevention. Emphasis will be placed on the behavioral aspects of disease processes, as well as its relationship to public health and health promotion. **4**

Practicum (HESS-350) This course provides the opportunity to gain practical experience working in various professional settings in the field of Physical Education. This course is graded S/U. Students will meet with a faculty member from the Department of Physical Education who will become the practicum instructor. If students plan to complete the practicum with an outside agency, it is recommended that arrangements be made in regard to field placement site prior to final registration. For details regarding this procedure, see the course instructor prior to pre-registration. Consent of the instructor is required for enrollment. Practicums may involve field experience which may be arranged in coaching, teaching, sports management, sports administration, etc. Athletic Training I (offered fall), Athletic Training II (offered spring), Athletic Training III (offered fall), Athletic Training IV (offered spring), Athletic Training V (offered fall), Athletic Training VI (offered spring). **.5-3**

Directed Study (HESS-361) 1-4

Directed Study (HESS-362) 1-4

Independent Study (HESS-363) 1-4

Independent Study (HESS-364) 1-4

Advanced topics in Athletics, Recreation and Health, Exercise and Sport Studies (HESS-399) A general category used only in the evaluation of transfer credit. **1-4**

Organization and Administration of Athletics and Physical Education (HESS-401) Students will study the administration of athletics, physical education and club/intramural sports. Students will be introduced to the various means of structuring an organization in order to achieve the objectives of physical education and athletics. The course will cover budget and various management functions, as well as the essential elements of leadership needed for the efficient administration of sport related programs. (offered in Spring) **4**

Orthopedic Injury and Illness Assessment (HESS-402) This lecture/laboratory course provides an opportunity for students to comprehend and master the techniques by which orthopedic injuries and common illnesses are evaluated by health care professionals. Each week students are presented with one laboratory session in which the evaluative techniques discussed during lecture are demonstrated and mastered. Prerequisite: HESS 202. **4**

Exercise Physiology (HESS-403) The primary purpose of this course is to study the effects of physical activity on human physiology. Various forms of exercise will be considered relative to both their immediate and long-range effects. Topics include history; stress and general adaptation syndrome; stress in relation to exercise and the endocrine system; motor activity; skeletal muscle structure and function; energy metabolism and recovery; and principles of conditioning and the training effects. **3**

Therapeutic Exercise in Athletic Training (HESS-404) This lecture/laboratory course is designed to present the foundation of therapeutic exercises that are common to the area of injury rehabilitation. Among the topics included in lecture and laboratory experiences are: range of motion, resistance exercise, stretching,

joint mobilization, and neuromuscular control. This course includes one laboratory session each week during which students will demonstrate the therapeutic techniques discussed in lecture. **4**

Health Behavioral Theory (HESS-405) This course is designed to theories of health behavior that pertains to the study of health and exercise. This class will provide an in-depth study of a variety of health behavior change theories that are used in health interventions. This course provides the groundwork for development of behavior change interventions. Different behavior change theories will be compared and contrasted, and the utility of these theories for different health behavior programs will be discussed. This course is designed to provide students an exploration in theory and experience in developing interventions for health behavior change. **4**

Senior Research (HESS-451) **4**

Senior Research (HESS-452) **4**

Physical Education Activity

All PHED 100-level offerings are activity classes/intercollegiate sports and are offered for S/U credit. A student may count no more than four credits for participation experiences towards graduation that are credited S/U, unless such credits in excess of four are required for the student's major or minor.

One and two credit hour PHED activity courses are offered for 14 weeks during the 1st and 2nd semester. Seasonal sport activities are offered for 7 weeks each quarter for 1/2 credit.

Course Offerings

Special Topics in Physical Education. (PHED-100) Special topics in Physical Education. **1-2**

Basic Football for Beginners (PHED-103) An introduction to the techniques and rules required for participation in the sport of football. **.5**

Learn to Swim and Dive (PHED-105) This class is designed for the student who wants to learn, firsthand, the benefits and methods of aquatic conditioning. After completing this course, the participant will have the knowledge necessary to organize a personal conditioning program for lifetime fitness. The student should have a basic skill level in swimming. **1**

Golf (PHED-120) For players on every level. An introduction to the techniques and rules required for participation in the sport of golf. **.5**

Racquet Sport (PHED-131) This class will involve the three sports of tennis, racquetball and squash. The primary focus will be on tennis for the first half of the semester, and then racquetball and squash for the second half. During an inclement weather day, the outdoor tennis instruction may be changed to indoor squash or racquetball. **1**

Badminton (PHED-133) Learn, understand and execute the rules and techniques of Badminton. **1**

Soccer (PHED-151) For players on every level. Students will learn basic skills, rules and strategy and apply them during game situations. **.5**

Co-Ed Volleyball (PHED-152) This course introduces students to the fundamentals of the game of power volleyball and strives to promote basic skill development, team play and strategy of the sport. **.5-1**

Basketball (PHED-154) For players on every level. Students will learn the basic skills, rules and strategy and apply them during game situations. **.5**

Floor Hockey (PHED-158) Students will learn the basic skills, rules and strategy, and apply them in game situations. No previous experience necessary. **.5**

Speed and Agility Training (PHED-159) This course is intended for any intercollegiate, intramural, or recreational athlete interested in increasing athletic performance and decreasing the chance of injury through an integrated performance enhancement training system. The course will address four major areas to improve athletic speed and agility including but not limited to: general physical preparedness and work capacity, core stabilization and extremity proprioception, muscular force production, and neurological/biomechanical efficiency. At the conclusion of the course, the student should be able to give examples of and effectively perform the following activities: dynamic flexibility; warm-up routine; rapid, short, and long response drills for vertical, linear, lateral, and multi-planar movements; upper and lower body plyometric and ballistic movements; linear, lateral, change of direction; and acceleration speed enhancement drills; and static proprioceptive neuromuscular facilitation (PNF) stretching. **.5**

Lifetime Fitness (PHED-160) This course will provide the students with exposure to various means by which to become aerobically fit. Some examples include Tae Bo, Windsor Pilates, and aerobics. Aerobic exercise and aerobic fitness, as well as nutrition and basic health and fitness concepts will also be introduced as they relate to "Lifetime Fitness." **1**

Strength Training (PHED-161) Students will learn and practice the principles of progressive resistance exercise, with an emphasis on safety factors; warm-up and stretching; selection of exercises and equipment; and the variation of sets and repetitions performed. Nutrition as it relates to strength training will also be covered. **1**

Self-Defense for Women (PHED-162) This course is for women to learn basic self-defense techniques to prevent sexual assault. We will discuss and practice strategies that can be used in a variety of self-defense situations, including street and job harassment, date-rape, and stranger assault, fighting from the ground, defending yourself with or against a weapon, and defense against multiple attackers. Students will learn to combine mental, verbal and physical self-defense techniques in their personal lives. Cross-listed with WGST 162. **1**

Indoor Cycling (PHED-163) For individuals of any fitness level. Students will participate in a high intensity aerobic exercise program using a stationary bicycle. This instructor led fitness program will focus on cycle based goals such as intervals, strength, endurance and recovery. Participants can use indoor cycling to improve overall fitness, set and achieve heart rate goals, or train for a cycling competition. **.5**

Introduction to Taekwondo (PHED-166) This is a basic level self-defense course in which students will learn the fundamental kicking and punching skills of Taekwondo. A large portion of the class will involve conditioning. Fee: \$55.00 for equipment. **2**

Strength Training for Athletic Performance (PHED-168) This course is designed to accommodate experienced lifters with the desire to learn and apply advanced training methodologies. Students will be able to apply a variety of effective resistance training principles to their personal strength training program. The student will become efficient at predominantly free weight and bodyweight exercises including Olympic style weightlifting, traditional power lifting, and strongman event type training. This course is intended for any intercollegiate, intramural or recreational athlete interested in increasing athletic performance and decreasing the chance of injury through an integrated performance enhancement training system. The first objective is to increase the student's chances of having success on the field or court. **.5**

Run for Your Life (PHED-171) This class is designed for the student who wants to prepare for an endurance race. Students learn how to train properly and effectively. Topics covered during the course are: equipment, hydration, stretching, cross-training, speedwork and injury prevention. After completing this course the participant will have the opportunity to run in a 5K, 10K or half marathon. **1**

Recreational Sports (PHED-174) For players on every level. Students will learn and practice the basic skills, rules and strategies of a variety of indoor/outdoor sports. **1**

Introduction to Yoga (PHED-175) This course is designed for students who are interested in deepening their understanding of the science of yoga. Lecture and discussion will include the history, philosophy and practice of classical yoga and its overall health benefits. In-class postures, breathing and relaxation techniques will be explored in order to provide a personal experience of this ancient healing practice. **2**

Varsity Golf (Women) (PHED-178) **1**

Varsity Cross Country (Women's) (PHED-179) **1**

Varsity Baseball (Men) (PHED-180) **1**

Varsity Basketball (Men) (PHED-181) **1**

Varsity Cross Country (Men) (PHED-182) **1**

Varsity Football (Men) (PHED-183) **1**

Varsity Golf (Men) (PHED-184) **1**

Varsity Lacrosse (Men) (PHED-185) **1**

Varsity Soccer (Men) (PHED-186) **1**

Varsity Swimming & Diving (Men) (PHED-187) **1**

Varsity Tennis (Men) (PHED-188) **1**

Varsity Indoor/Outdoor Track (Men) (PHED-189) **1**

Varsity Basketball (Women) (PHED-190) **1**

Varsity Softball (Women) (PHED-191) **1**

Varsity Field Hockey (PHED-192) **1**

Varsity Lacrosse (Women) (PHED-193) **1**

Varsity Swimming and Diving (Women) (PHED-194) **1**

Varsity Tennis (Women) (PHED-195) **1**

Varsity Indoor/Outdoor Track (Women's) (PHED-196) **1**

Varsity Volleyball (Women) (PHED-197) **1**

Varsity Soccer (Women) (PHED-198) **1**

History

Introductory Topics in Physical Education (PHED-199) A general category used only in the evaluation of transfer credit. **1-4**

Red Cross Lifeguard Training (PHED-201) This course is designed to certify students in CPR-PR, first aid and American Red Cross Lifeguard Training. Certification may qualify students for employment as a lifeguard at pools and camps. **2**

Water Safety Instructor (PHED-202) The purpose of this course is to train instructor candidates to teach water safety, including the Basic Water Rescue and Personal Water Safety courses, six levels of Learn-to-Swim, three levels of Preschool Aquatics and two levels of Parent and Child Aquatics. Prerequisites for the course include: the candidate must be 16 years of age and be able to swim at least 300 yards demonstrating three of the following six swimming strokes: freestyle, backstroke, breaststroke, butterfly, sidestroke and/or elementary backstroke. Students will learn strategies for teaching basic swimming skills, as well as learn to effectively plan, manage and teach safe swimming lessons. The course includes a 16-hour field experience teaching swimming lessons to faculty and staff children. Successful completion of the course will lead to American Red Cross Certification in Water Safety Instructor. **2**

Skin and Scuba Diving (PHED-203) Successful completion of this course will lead to international certification as a PADI Open Water Diver. Students must furnish mask, fins and snorkel which can be rented or purchased from Discover Diving. Prerequisites: Above average swimming skill (200 yard swim and 10 minute tread water), good physical condition, free of asthma and chronic sinus or ear conditions. Fee: \$235, which includes text, diving tables, diving log and use of scuba equipment. **2**

History

Faculty

Associate Professor Lauren Araiza, Chair

Professors Adam J. Davis, Mitchell Snay; Associate Professors Lauren Araiza, Catherine L. Dollard, Frank T. Proctor III, Karen Spierling, Megan Threlkeld; Assistant Professors Joanna Tague, Shao-yun Yang, Adrian Young, Hoda Yousef; Visiting Assistant Professor Belen Vicens; Academic Administrative Assistant Deborah Riley

Departmental Guidelines and Learning Goals

Mission

History is a way of thinking about the world that teaches us to value and embrace the complexities and ambiguities of life. Students learn to see the multiple layers of causes and effects, changes and continuities, individual experiences and broader social dynamics that shape human societies and cultures across time and place. History questions not only, what happened, but even more importantly, why did something happen the way it did? How were different people engaged and impacted? What did this change mean to people in that time and place? What has it meant to people in other times and places? What does it mean to us now, in our own time and place?

History students weave answers to these questions into compelling stories and persuasive arguments. These narratives, when well constructed, are moving and beautiful. They prompt thinking about the diversity of human experience, both across the globe and close to home, and about how peoples' ideas and cultural

practices vary by period, region, and social circumstance. With classes focused on the United States, Europe, Africa, Asia, Latin America, and the Middle East, history provides students the opportunity to explore the world broadly and deeply. Moreover, history allows us to see the world through the eyes of others as we confront human achievement, struggle, and failure and thus provides the tools for empathy, objective thought, and engaged citizenship.

History majors graduate prepared to negotiate a complex, uncertain, and often changing world landscape, equipped with unique abilities to discern and integrate multiple perspectives as they engage in creative problem solving.

HISTORY STUDENTS CAN...

1. Think Historically
 - i. Examine people, events, phenomena, and concepts within their historical contexts
 - ii. Recognize the complexity of the historical record, valuing conflicting evidence and competing narratives
 - iii. Understand causality and the dynamics of change over time
 - iv. Construct informed, nuanced historical narratives
 - v. Articulate the distinctions between history and “the past,” and between history and historiography
2. Think Critically
 - i. Analyze complex problems and generate discussion based on evidence
 - ii. Identify, summarize, and respond to the points of view of others
 - iii. Embrace skepticism and ambiguity as part of the process of discovery
 - iv. Practice empathy as a tool of inquiry
3. Solve Problems
 - i. Generate open-ended questions
 - ii. Conduct research—gather, sift, analyze, order, and synthesize evidence
 - iii. Think imaginatively about gaps in the evidentiary record
 - iv. Persevere through uncertainty
4. Communicate Effectively
 - i. Write clearly, concisely, and persuasively, in multiple formats and for various audiences
 - ii. Speak clearly and persuasively in different forums and for various audiences
 - iii. Listen to, absorb, appreciate, and respond to the ideas of others, both in written and oral form
5. Think Globally and Locally
 - i. Understand the diversity of human experience across time and space and draw connections between their studies of different people, times, and places
 - ii. Consider historical problems from the perspectives of different groups and different social actors
 - iii. Think critically about how different groups and/or societies have interacted over time
 - iv. Critically examine the relationships of power and explore questions of justice, equity, and identity
6. Practice Engaged Citizenship
 - i. Value the study of the past for its contributions to lifelong learning and for the critical habits of mind it fosters
 - ii. Engage the perspectives of people different from ourselves in civil and constructive ways
 - iii. Employ all of the above-listed skills to make well informed and thoughtfully articulated contributions to civic discourse

History Major

Students who major in history should select an advisor in the department. This person will be best prepared to assist students in meeting major requirements and assessing the relationship between their work in history and their future life and career goals.

The department requires 36 hours (or nine courses) distributed to ensure both breadth and depth in the discipline of History. The major requirements must be fulfilled as follows:

- **Survey Courses:** Majors must complete any two courses at the 100-level
- **History 201 – Doing History:** a historical methods course. Students should complete HIST 201 in their sophomore year, and no later than the first semester of the junior year. HIST 201 is only open to students who have declared a History major or minor.
- **Seminars:** Majors must complete any four seminar courses at the 200-level (Reading Seminars) or 300-level (Reading Seminars with a Research Component) with course numbers ending in 10-98, with the following provisions:
 - One of these courses must be a 300-level, which combines an in-depth exploration of a theme or topic with the completion of a significant research project grounded in primary sources.
 - Students have the option to apply only one HIST 205 to fulfill one of the remaining three required seminars.
- **Distribution Requirements:** To ensure engagement with diverse fields of history, students will use the Survey-level (110-198) and Seminar-level (210-398) classes to fulfill the following chronological and geographical requirements:
 - Two classes on pre-modern history (prior to 1800)
 - Two classes on the history of Africa, East Asia, Latin America, and/or the Middle East (course numbers ending in 10-49)
 - Two classes on the history of the United States, Europe, and/or the Atlantic World (course numbers ending 50-98)

Note: A single class can be used to fulfill both a pre-modern and a geographical requirement simultaneously.

Note: HIST 201, HIST 205, HIST 430, and HIST 451/452 do not fulfill Distribution Requirements.

- **Senior Experience** – Either Senior Seminar (HIST 430) or yearlong Senior Research (HIST 451/452)
- **Elective** – Students who elect to complete the Senior Seminar (HIST 430) must complete an additional elective, at any level. Students who elect yearlong Senior Research (HIST 451/452) are not required to complete an elective.

Additional Rules:

- History majors may apply only one HIST 205 towards completion of the major as an elective or as one of the required 200-level courses, but not both.
- HIST 205 cannot be used to fulfill the chronological or geographical Distribution Requirements for the major.

History Minor

The department requires a minimum of 24 hours (or six courses) of work in History to complete a minor. Minors must complete:

- **Survey Courses:** Minors must complete any two courses at the 100-level

- **History 201 – Doing History** a historical methods course. Students should complete HIST 201 in their sophomore year and no later than the first semester of the junior year. HIST 201 is only open to students who have declared a History major or minor.
- **Seminars:** Minors must complete any two seminar courses at the 200-level (Reading Seminars) or 300-level (Reading Seminars with a Research Component) with course numbers ending in 10-98, one of which must be at the 300-level.
- **Distribution Requirements:** To ensure engagement with diverse fields of history, minors will use the Survey-level (110-198) and Seminar-level (210-398) classes to fulfill the following chronological and geographical requirements:
 - One class on pre-modern history (prior to 1800)
 - Two classes on the history of Africa, East Asia, Latin America, and/or the Middle East (course numbers ending in 10-49)
 - Two classes on the history of the United States, Europe, and/or the Atlantic World (course numbers ending 50-98)

Note: A single class can be used to fulfill both a pre-modern and a geographical requirement simultaneously.

Additional Rules:

- Students may apply only one HIST 205 towards completion of the minor as an elective but cannot use HIST 205 to replace the required 200/300-level courses.
- HIST 201 and HIST 205 cannot be used to fulfill the chronological or geographical Distribution Requirements for the minor.

Writing in History Effective writing is a cornerstone of the understanding of history. The history curriculum is focused on helping our students become more adept at crafting effective prose that articulates an argument and uses evidence convincingly. Students in history courses learn to write clearly, concisely, and persuasively, in multiple formats and for various audiences, and they learn that the best writing results from a process of drafting and mindful revision.

Off Campus Study/Transfer Credits: Students may apply as many as two classes taken from institutions other than Denison (including off-campus programs) to the major requirements. Only one course can be applied to the required 100-level courses and only one can be applied to the required 200-level. Majors must complete HIST 201, the required 300-level Seminar, and the Senior Experience (HIST 430 or 451/452) at Denison.

History minors may apply no more than one class from institutions other than Denison (including off-campus programs) and must fulfill the HIST 201 and the required 300-level course at Denison.

Transfer students applying for major/minor credit will be considered on a case-by-case basis.

Advanced Placement History courses for which the student has earned a 4 or 5 may not be used to meet the requirements of the major/minor or fulfill a General Education requirement in the Humanities, but do count as credits towards graduation from Denison.

A working knowledge of a foreign language is highly recommended for all majors: those planning on graduate work in history should start a second language if possible. (Graduate schools usually require a reading knowledge of at least two languages. Requirements vary depending upon the area of study and research interests of the student. Suitable language choices should be made in consultation with your history advisor.)

Course Offerings

Studies in East Asian History (HIST-110) Intensive study of selected periods or topics in East Asian History. May be taken more than once. **4**

Traditional East Asian Civilization (HIST-111) A survey of the history of East Asia from the first century CE to the end of the sixteenth century, tracing the interactions between China, Korea, and Japan that created a distinct cultural region connected by the Chinese writing system, Confucianism and Buddhism, active diplomatic and trading relations, and (on occasion) warfare. Topics include: Buddhism's spread in East Asia and its influence on politics and culture; the origins of Japan's samurai warrior class; the rise of the Mongol world empire and its impact on East Asia; and the beginnings of European commercial and missionary activity in East Asia. **4**

Modern East Asian Civilization (HIST-112) A survey of the history of China, Korea, and Japan since 1600. A major theme is how the East Asian world was dramatically transformed by its responses to new ("modern") technologies, ideologies, and military threats from the Western world in the nineteenth and early twentieth centuries. This transformation's far-reaching consequences include Japan's occupation of Korea and invasion of China, the Pacific War, China's turn to Communism (except in Taiwan), and Korea's division into two rival states. Other topics include: post-war East Asia's "economic miracles"; movements for democracy in China, Taiwan, and South Korea; and the ideological foundations of North Korea's isolationist totalitarian regime. **4**

Studies in Middle Eastern History (HIST-120) Intensive study of selected periods or topics in Middle Eastern History. May be taken more than once. **4**

Islamic History before 1800 (HIST-121) A survey of the history of the Islamic World from the rise of Islam to the 1800's. Beginning with the revelation of Islam and the emergence of the first Islamic Empire in the seventh century A.D., the course will examine the formation and development of Islamic Societies through a study of religion, political theory and practice, social structure, art, literature and the sciences. **4**

The Modern Middle East (HIST-122) This course examines the transformation of the Middle East in the 19th and 20th centuries. It will cover such topics as political reform, integration into the world economy, changing role of religion, debates about women and gender, the rise of nationalism and recent political struggles such as the Palestinian-Israeli conflict. **4**

The United States and the Middle East (HIST-125) This course is a survey of the social, economic, political, and cultural interactions between the Middle East and the United States from the late eighteenth century to the contemporary period. The main goal of the course is to explore the different ways in which the policies of the U.S. have influenced the states and societies of the Middle East in the modern era. **4**

Studies in African History (HIST-130) Intensive study of selected periods or topics in African History. May be taken more than once. **4**

Pre-Colonial Africa (HIST-131) This survey course will introduce students to the history of Africa from the earliest times to 1880 - also known as pre-colonial African history. Though the focus is on Africa south of the Sahara, North Africa will be featured from time to time. Topics include the earliest human settlements in Africa, empires and kingdoms in East, West, and Southern Africa, Islam and Christianity in Africa, slavery, and the partitioning of the continent by powers in the mid 1800s. **4**

The History of Africa since 1880 (HIST-132) This course examines myths about Africa, the history of colonialism on the continent in the 19th and 20th centuries, the rise of primary resistances to colonialism in

the late 1800s and early 1900s, and how this fed the secondary and tertiary resistance movements from the 1930s through to the 1990s when the apartheid regime collapsed in South Africa. Through close readings of the historiography, students will grapple with the history of colonialism and the postcolonial era in Sub Saharan Africa. **4**

Southern African History (HIST-135) This course grapples with a basic but fundamental question that has been at the heart of much scholarship on Africa: how is southern Africa's history distinct from the history of the rest of the African continent? To address this issue, this course takes a sweeping approach, covering major developments in southern Africa from the mid-17th century through the era of formal colonization and subsequent independence. We will be particularly interested in exploring the foundations and growth of a racial order in southern Africa, and more broadly examining the role that race has played in this region through the colonial and postcolonial eras. Major themes will include cultural contacts between Africans and non-Africans; the slave trade and its consequences; Shaka and myths surrounding the Zulu Empire; economic transformations in the colonial era; and the struggle for independence in different southern African countries. **4**

Studies in Latin American History (HIST-140) Intensive study of selected periods or topics in Latin American History. May be taken more than once. **4**

Colonial Latin America (HIST-141) A survey course on Latin America from Conquest through Independence. Topics include exploration of: 1) how Spain and Portugal conquered and colonized the Americas, 2) how they managed to maintain control over those colonies, 3) how the colonized (Indians, Africans, and mixed races) responded to the imposition of colonial rule, 4) the role of women and gender in colonial settings, and 5) the implications of colonialism for the study of modern Latin America. **4**

Modern Latin America (HIST-142) A survey course on Latin America from Independence to the present focused on attempts to construct politics based on nation states and the evolution of capitalist economies; and, how social movements both reflected and drove these two major transformations. Topics include the social implications of various models of economic development; issues resulting from economic ties to wealthy countries; changing ethnic, gender, and class relations; and, the diverse efforts of Latin Americans to construct stable and equitable socio-political systems. **4**

Studies in Pre-Modern European History (HIST-150) Intensive study of selected periods or topics in Ancient, Medieval, or Early Modern History. May be taken more than once. **4**

Late Antiquity (HIST-152) A survey of the culture, thought, politics, religion, economics, and society of the late antique world. This course will examine the Mediterranean world and northern Europe from the late Roman Empire (200 CE) to the Christianization of Iceland (c1000 CE), integrating the history of Western Christendom, Byzantium, and the early Islamic world. **4**

The Origins of Europe: Medieval Society (HIST-153) A survey course on European civilization during the high and later Middle Ages, 1000-1453. Topics will include urbanization, religious and social reform, popular devotion, the crusades, scholasticism and universities, the rise of monarchies, the institutionalization of the Catholic Church, art and architecture, and the Black Death. **4**

Early Modern Europe (HIST-155) A survey of the political, religious, social, cultural, and intellectual developments in European history from the 1400s to the late 1700s. Topics will include European expansion, the Reformation and Wars of Religion, the Scientific Revolution, absolute and constitutional monarchies, the Enlightenment, and the anti-slavery movement. **4**

Renaissance Italy (HIST-156) An examination of the political, social, cultural, and intellectual developments in Italy during the Renaissance. Topics will include the politics of the Italian city-states, mercantile culture, humanism, religious life, art and architecture, patronage, the impact of print, and diplomacy and war.

4

The Scientific Revolution and 'Enlightenment': Knowledge and Power in Early Modern Europe (HIST-157) The seventeenth and eighteenth centuries in Western Europe were a period when traditional ideas and new ways of thinking about the world clashed with each other in many different ways, from the trial of Galileo in the 1630's to discussions of women's rights in the late 1700's. This course examines the social, political, and intellectual contexts of the Scientific Revolution and Enlightenment in order to better understand how the ideas of these periods emerged, how they were received by political and religious officials as well as by the general population, and what were some of the key impacts of these movements on Europeans' worldviews and understandings of their own societies. 4

Studies in Comparative History (HIST-160) Intensive study of selected periods or topics in Comparative History. May be taken more than once. 4

The Atlantic World (HIST-161) The processes initiated by Christopher Columbus's voyage in 1492 brought four continents and three "races" into interaction where there had been little or no communication before. Those contacts, in many ways, profoundly shaped the world in which we live today. Drawing together the histories of Europe, Africa, and the Americas, this course explores the origins, development, and meanings of this new Atlantic World. Topics will include imperial expansion and colonization, the Colombian Exchange, European-Amerindian relations, slavery and the trans-Atlantic slave trade, the establishment of an Atlantic capitalist economy, and the struggles for autonomy and national independence in Euro-American societies.

4

Studies in Modern European History (HIST-170) Intensive study of selected periods or topics in Modern European History. May be taken more than once. 4

Modern Europe (HIST-171) A survey course on the history of Europe from the Enlightenment to the present which examines the major forces and dominant ideologies of the modern Western world. Topics include the industrial revolution, war, revolution and counter-revolution, nationalism, the development of European social movements, and the struggle between freedom and order. 4

Modern Germany (HIST-176) This course examines German history from the events leading up to the unification of the German state in 1871 through reunification in 1990. The course focuses on the shifting constructions of German national identity through 19th century expansion, defeat in two world wars, the Weimar and Nazi eras and Cold War division. 4

Studies in Early United States History (HIST-180) Intensive study of selected periods or topics in the early history of the United States. May be taken more than once. 4

The United States to 1865 (HIST-181) A survey of the American past from colonization through the Civil War. 4

A History of the Nineteenth-Century American South (HIST-184) This course will explore the basic economic, social and political facets of Southern history, as well as such specific issues as race relations and the Southern literary imagination. Throughout the course, an attempt will be made to define the factors that made the South such a distinctive and important region in American history. 4

Studies in Modern United States History (HIST-190) Intensive study of selected periods or topics in the history of the United States since the Civil War. May be taken more than once. **4**

The United States Since 1865 (HIST-191) A survey of U.S. history from Reconstruction to the present day. **4**

Women in United States History (HIST-192) This course surveys the history of women in the United States from 1848 to the present. We will explore the lived experiences of many different kinds of women and analyze the ways in which other categories of identity -- race, ethnicity, nationality, class, sexual orientation, age, etc -- affect those experiences. We will also explore the development of feminist consciousness among U.S. women, and analyze attempts to expand that consciousness both nationally and globally. Cross-listed with WGST 223. **4**

African American History (HIST-193) This course will examine the history of African Americans in the United States from colonization to the present. We will study the contributions that African Americans have made to the political, cultural, and social development of the United States. We will also pay special attention to the processes by which African Americans have negotiated race relations and resisted racial discrimination in the U.S. Cross-listed with BLST 225. **4**

The United States and the World since 1890 (HIST-195) The purpose of this course is to compel students to think critically about the role of the United States in the world. We will trace the history of U.S. engagement with the world since 1890 - including foreign policies, economic policies, wars, trade relations, cultural exchanges, travel and tourism, etc. Students will be introduced to some of the more traditional dichotomies of diplomatic history, such as idealism versus realism, exceptionalism versus universalism, and unilateralism versus multilateralism. We will also be exploring innovative approaches to international relations history, especially those that weave class, race, culture, and gender into historical narratives of U.S. foreign relations **4**

Introductory Topics in History (HIST-199) A general category used only in the evaluation of transfer credit. **1-4**

Doing History (HIST-201) This course serves as an introduction to the study of history for majors and minor. Each seminar will focus on a special field, theme, or topic, but all students will be introduced to certain critical skills of historical analysis, distinctive approaches, schools, or methods of historical writing and the nature of historical synthesis. History 201 also develops the skills of historical writing and fulfills the Writing (W) competency. **4**

Sophomore Seminar in History (HIST-205) This seminar, aimed largely at non-majors, serves as an introduction to historical thinking and writing and is designed to allow students to continue to develop the skills and habits of mind associated with successful written and oral communication. Each seminar will focus on a special historical theme or topic, but all students will receive instruction specific to the crucial skills of non-fiction, expository college writing and oral communication as well as critical thinking and historical analysis. This course fulfills the Writing (W) and the Oral Communication (R) competencies **4**

Advanced Studies in East Asian History (HIST-210) Reading seminar on selected periods or topics in East Asian History. May be taken more than once. **4**

Advanced Studies in Middle East History (HIST-220) Reading seminar on selected periods or topics in Middle Eastern History. May be taken more than once. **4**

Advanced Studies in African History (HIST-230) Reading seminar on selected periods or topics in African History. May be taken more than once. **4**

Advanced Studies in Latin American History (HIST-240) Intensive study of selected periods or topics in East Asian History at the intermediate level. May be taken more than once. **4**

Sex and Sexuality in Latin America (HIST-243) This course critically examines gender and sexuality in Latin America. Particularly it will explore the various attempts by the ruling elite to define acceptable and deviant gender roles and sexual identities, how the non-elite resisted the imposition of those elite notions of propriety to create their own codes of conduct, and how those conflicts have changed over time. Cross-listed with WGST 383. **4**

Race and Ethnicity in Latin America (HIST-244) This course critically examines the history of the social construction of race and ethnicity in Latin America. In it, we will explore how historians have employed race and ethnicity as methodological categories in order to elucidate the histories of Latin America from the pre-Hispanic era through the modern period. Particularly we will focus on the various attempts by the ruling elite to deploy race in the ordering of society; and, how the non-elite resisted the imposition of those elite conceptions of racial and ethnic hierarchies to create their own codes of conduct, and how those conflicts have changed over time. **4**

Advanced Studies in Pre-Modern European History (HIST-250) Reading seminar on selected periods or topics in Ancient, Medieval, or Early Modern European History. May be taken more than once. **4**

The Crusades (HIST-251) A seminar that studies the crusading movement from different contemporary perspectives: crusader, eastern Christian, Muslim, and Jewish. The course examines some of the approaches that historians have taken to studying the crusades and the interpretive challenges they face. Topics include: who the crusaders were and what inspired them; how the ideas and practices of crusading were extended from the Levant to the Iberian peninsula, Constantinople, the Baltic, and even to those within Europe who were considered heretics and enemies; and how the Crusades have been understood in the modern world. **4**

The Renaissance and Reformation of the 12th Century (HIST-253) A seminar that considers both the ecclesiastical reforms and cultural and intellectual revival that marked the "long twelfth century" in Western Europe. Topics include ecclesiastical reform, medieval humanism, theologians and philosophers, mysticism, the discovery of the individual, the reception of Aristotle, the revival of Roman law, Gothic architecture, and the rise of the universities. **4**

Jews and Christians in the Middle Ages (HIST-255) A seminar that examines the relationship between Jews and Christians in medieval Europe. Through a wide range of primary sources, written by medieval Christians and Jews, we will attempt to reconstruct how Christians and Jews imagined each other and what motivated them to act in the way that they did. We will examine some of the contexts for Jewish-Christian interaction and will explore the interdependence of Jews and Christians, economically, politically, and psychologically. Topics will include the medieval church and Jews, the legal status of Jews in the medieval state, economic roles, biblical exegesis, forced disputation, conversion, the crusades, accusations of host desecration and ritual murder, and expulsion. **4**

The Reformation (HIST-256) The Protestant and Catholic Reformations were major movements in early modern Europe with far-reaching effects still felt globally today. In the sixteenth century, religious arguments interacted with political concerns, economic fluctuations, and social tensions to transform European states and societies. In 1500, the idea of a unified European Christendom, though imperfect, could still be defended. By the beginning of the seventeenth century, while Europeans as a group still believed in God, the influence of the Roman Church and of Christianity more generally had begun to change. This course examines the re-

ligious ideas and arguments that burgeoned in the sixteenth century, the social and political contexts in which they developed, and the transformations in European society, culture and religious practices that resulted. Course materials focus especially on examining the relationships between ideas and actions/practices in order to understand the wide-ranging social impacts of the religious changes during the Reformation. **4**

Witches, Saints & Skeptics (HIST-258) A seminar that examines ideas and practices regarding the divine, the demonic, and the supernatural in early modern Europe, with a particular focus on understanding early modern conceptions and treatments of people (largely but not only women) believed to be saints and/or witches. Readings and assignments explore how these beliefs and practices were tied to religious, social, political, legal, and economic developments, and how they changed (and did not change) over the early modern period. **4**

Advanced Studies in Comparative History (HIST-260) Reading seminar on selected periods or topics in Comparative History. May be taken more than once. **4**

Comparative Slavery in the Americas (HIST-265) For many, the history of slavery is synonymous with the southern United States. But slavery was not limited to the U.S. and by approaching slavery from a comparative perspective, we will deepen our understanding of slavery as an institution, slaves as historical actors, and therefore the legacies of slavery throughout the Americas. We will explore regional differences within slaves' opportunities to form families, to create cultures, to rebel, and to labor for their own benefits; as well as the interactions of African cultural visions and Christianity. **4**

Women, Sex, and Power in the Modern World (HIST-266) This course focuses on histories of women around the world since the eighteenth century in order to examine the various ways in which women have struggled first to claim and then to maintain power over their bodies and experiences. The course analyzes sources that speak to women's efforts to assert political, economic, cultural, and personal power in society and in their own lives. Topics include a study of the development of organized women's movements in the nineteenth and twentieth centuries and an examination of the extent to which women have been successful in building coalitions to achieve power. The course also examines the role of other categories of identity in these struggles for power, including race, class, nationality, sexual orientation, and religion. Cross-listed with WGST 396. **4**

Advanced Studies in Modern Europe History (HIST-270) Reading seminar on selected periods or topics in Modern European History. May be taken more than once. **4**

Origins and History of World War I (HIST-273) An examination of the causes and conduct of The Great War. The course addresses diplomatic and political events that led to the war and studies the military evolution of the war. The course also focuses extensively on the cultural mood before, during, and after the war. **4**

Advanced Studies in Early United States History (HIST-280) Reading seminar on selected periods or topics in the early history of the United States. May be taken more than once. **4**

Colonial America (HIST-281) A study of the economic, social, and political aspects of American History during the 17th and 18th centuries. **4**

The Revolutionary Transformation of America: 1763-1800 (HIST-282) A comprehensive study of the political philosophy, constitutional development, revolutionary excitement and military events of the American Revolution. **4**

The Age of Jefferson: The United States, 1800-1828 (HIST-283) The United States as both a nation and a political state was forged during the two decades following the American Revolution. The foundations of the federal government were established during the 1790's and under the Republican administrations of Jefferson and Madison. Facing serious diplomatic challenges, the United States began to establish itself in the international community. The era also witnessed fundamental changes in racial, ethnic, and gender relations within American society. The course will offer a close examination of this pivotal period in American history.

4

The Age of Jefferson: The United States, 1828-1848 (HIST-284) The early decades of the 19th century witnessed fundamental structural changes in the economy, society, and politics of the United States. This course will examine the consequences of this rapid growth. It will trace the evolution of capitalism, the rise of a middle class culture, the development of a two-party political system, and the national quest for self-identity and unity. **4**

The Civil War and Reconstruction: The United States, 1848-1877 (HIST-285) An exploration of the causes and consequences of the Civil War. The course will examine such topics as the breakdown of the political process in the 1850's, the secession crisis, the transformation of Northern and Southern societies during wartime, and the African-American experience of emancipation. **4**

American Intellectual History (HIST-286) An exploration of American philosophy, literature, religion, and social and political theory from the seventeenth century through World War I. The course examines the underlying themes manifested throughout these different expressions of culture. Attention will be given to several themes such as the split between the genteel and vernacular traditions. **4**

Advanced Studies in Modern United States History (HIST-290) Reading seminar on selected period or topics in the history of the United States since the Civil War. May be taken more than once. **4**

Dancing in the Street: African-American Urban History (HIST-295) This course explores the history of the African-American urban experience. In the mid-18th century, the African-American community began to transition from a rural to an urban population. By the mid-20th century, African-Americans had become an overwhelmingly urban group. The course examines the process of the rural-to-urban transformation of African-Americans and the ways in which they have confronted, resisted, and adjusted to urban conditions of housing, employment, education, culture, and public space. **4**

The History of Black Power: From Marcus Garvey to Chuck D (HIST-297) This course explores the history of the ideology of Black Power and its various dimensions and incarnations from its origins in the early 20th century to its significance in the present. Topics to be addressed may include, but are not limited to: definitions of Black Power, applications of this ideology to politics and economics, artistic aesthetics, gender dynamics, key figures and organizations, current manifestations, meanings for the African-American community, and reactions from the larger American society. **4**

Intermediate Courses in History (HIST-299) A general category used only in the evaluation of transfer credit. **1-4**

Research Seminar in East Asian History (HIST-310) Reading seminar on and research in selected periods or topics in East Asian History. May be taken more than once. **4**

China's Golden Age? The Tang Dynasty (HIST-312) This course is an in-depth introduction to the history and culture of the Tang empire (618–907), widely regarded as China's "golden age." Modern Chinese historical memory idealizes the Tang as an age of great military conquests, exotically "cosmopolitan" tastes in art and music, religious tolerance and cultural diversity, brilliant poets, and free-spirited, polo-playing

women. A primary goal of the class is to enable students to take an informed and critical perspective on this romanticized popular image by studying a wide range of historical scholarship and translated primary sources, which they will use to write a major research paper on a topic of their choice. **4**

Research Seminar in Middle Eastern History (HIST-320) Reading seminar on and research in selected periods or topics in Middle Eastern History. May be taken more than once. **4**

Women in the History of the Modern Middle East (HIST-321) This course will look at the role women have played in the Middle East since the nineteenth century. We will start the course by examining the interpretative methods and sources that historians use to explore this history. Then, after an introduction to the study of women and gender in the Middle East, we turn to several of the major factors that have impacted the role of women in Middle Eastern societies: the Islamic tradition, the colonial period, the rise of nation-states, and various strands of feminism. Our examples will draw from several of the principle countries and regions in and around the Middle East including Iran, Turkey, Egypt, the Levant, and North Africa. As we proceed, students will develop their own research question, bibliography, and ultimately, research paper. **4**

Research Seminar in African History (HIST-330) Reading seminar on and research in selected periods or topics in African History. May be taken more than once. **4**

Research Seminar in Latin American History (HIST-340) Reading seminar on and research in selected periods or topics in Latin America History. May be taken more than once. **4**

Research Seminar in Pre-Modern European History (HIST-350) Reading seminar on and research in selected periods or topics in Ancient, Medieval, or Early Modern European History. May be taken more than once. **4**

The Crusades (HIST-351) This course covers the largely the same material as HIST 251 (please see description above), but with time for students to complete a significant research project. Students may take either 251 or 351, but not both, for credit. **4**

The Renaissance and Reformation of the 12th Century (HIST-353) This course covers largely the same material as HIST 253 (please see description above), but with time for students to complete a significant research project. Students may take either 253 or 353, but not both, for credit. **4**

Jews and Christians in the Middle Ages (HIST-355) This course covers largely the same material as HIST 255 (please see description above), but with time for students to complete a significant research project. Students may take either 255 or 355, but not both, for credit. **4**

Violence in Early Modern Europe (HIST-357) A seminar that explores and interrogates the roles, purposes, impacts, and views of violence in early modern European societies (1500–1800). The notion that early modern Europeans gradually repressed societal violence through a “civilizing process” continues to shape Western perceptions of the world and decisions regarding geopolitics today. The overarching goal of this course is to interrogate those assumptions about early modern European societies by examining a wide variety of categories of violence including: legitimate/illegitimate, domestic, gendered, state/official, popular, religious, intercultural/imperial, and military/wartime. **4**

Witches, Saint & Skeptics (HIST-358) This course covers largely the same material as HIST 258 (please see description above), but with time for students to complete a significant research project. Students may take either 258 or 358, but not both, for credit. **4**

Research Seminar Comparative History (HIST-360) Reading seminar on and research in selected periods or topics in Comparative History. May be taken more than once. **4**

Directed Study (HIST-361) 1-4

Directed Study (HIST-362) 1-4

Independent Study (HIST-363) 1-4

Independent Study (HIST-364) 1-4

Comparative Slavery in the Americas (HIST-365) This course covers the largely the same material as HIST 265 (please see description above), but with time for students to complete a significant research project. Students may take either 265 or 365, but not both, for credit. **4**

Research Seminar in Modern European History (HIST-370) Reading seminar on and research in selected periods or topics in Modern European History. May be taken more than once. **4**

The Origins and History of World War I (HIST-373) This course covers the largely the same material as HIST 273 (please see description above), but with time for students to complete a significant research project. Students may take either 273 or 373, but not both, for credit. **4**

Ethnicity and Nationalism in Central and Eastern Europe (HIST-374) This course explores the complex relationship of ethnic and national identity in Central and Eastern Europe from World War II to the present. This region experienced a tumultuous history during this time period, afflicted by war, occupation, dictatorship, and the displacement of populations. The late twentieth-century also witnessed a period of revolution and was at the centerpiece of the demise of the Cold War. In this context, questions of national belonging loomed large. Ethnicity played and continues to play a central role in the development of nationalism and historical memory. This course explores the experience and meaning of ethnicity in the context of shifting political realities and national contexts. Course topics include the impact of World War II on Central and Eastern European ethnic groups, the experience of ethnic minorities in USSR-dominated Cold War Europe, late twentieth-century revolutions in the region, and the dissolution of Yugoslavia. **4**

Research Seminar in Early United States History (HIST-380) Reading seminar on and research in selected periods or topics in the early history of the United States. May be taken more than once. **4**

Colonial America (HIST-381) This course covers the largely the same material as HIST 281 (please see description above), but with time for students to complete a significant research project. Students may take either 281 or 381, but not both, for credit. **4**

The Revolutionary Transformation of America: 1763-1800 (HIST-382) This course covers the largely the same material as HIST 282 (please see description above), but with time for students to complete a significant research project. Students may take either 282 or 382, but not both, for credit. **4**

The Age of Jefferson: The United States, 1800-1828 (HIST-383) This course covers the largely the same material as HIST 283 (please see description above), but with time for students to complete a significant research project. Students may take either 283 or 383, but not both, for credit. **4**

The Age of Jackson: The United States, 1828-1848 (HIST-384) This course covers the largely the same material as HIST 284 (please see description above), but with time for students to complete a significant research project. Students may take either 284 or 384, but not both, for credit. **4**

The Civil War and Reconstruction: The United States, 1848-1877 (HIST-385) This course covers the largely the same material as HIST 285 (please see description above), but with time for students to complete a significant research project. Students may take either 285 or 385, but not both, for credit. **4**

American Intellectual History (HIST-386) This course covers the largely the same material as HIST 286 (please see description above), but with time for students to complete a significant research project. Students may take either 286 or 386, but not both, for credit. **4**

Research Seminar in the History of the United States (HIST-390) Reading seminar on and research in selected period or topics in the history of the United States since the Civil War. May be taken more than once. **4**

The Fourteenth Amendment and the Meanings of Equality (HIST-392) Since 1868, Section 1 of the Fourteenth Amendment has served as the principal benchmark for legal debates over the meanings of equality in the United States. This course explores the origins of the amendment in the post-Civil War period and the evolution of its meanings throughout the late nineteenth, twentieth, and early twenty-first centuries. We will examine closely the contested interpretations of equal protection and due process; the rise, fall, and rebirth of substantive due process; and the battles over incorporating the Bill of Rights. We will pay particular attention to how struggles for racial and gender equality have influenced debates over the amendment, and how the amendment has reshaped the parameters of U.S. citizenship. **4**

Dancing in the Street: African-American Urban History (HIST-395) This course covers largely the same material as HIST 295 (please see description above), but with time for students to complete a significant research project. Students may take either 295 or 395, but not both, for credit. **4**

The Civil Rights Movement (HIST-396) This seminar will examine the struggle for African-American equality from the 1930's to 1970. The course will begin with the origins of the Civil Rights Movement during the New Deal and World War II. We will then explore the key campaigns, figures, organizations, and guiding themes of the Movement. Special attention will be paid to the processes by which grassroots activism forced responses from the federal, state, and local governments. **4**

Advanced Topics in History (HIST-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Seminar (HIST-430) Required of senior history majors. The senior seminar will provide students with a significant research experience culminating in the writing of a substantial research paper and the public presentation of their work. **4**

Senior Research (HIST-451) Research in selected topics of History. **4**

Senior Research (HIST-452) Research in selected topics in History. **4**

Interdepartmental

Course Offerings

Special Topics (INTD-150) **.5-4**

Homestead Seminar (INTD-250) The Homestead Seminar is a course for Homestead residents and for students who are interested in the Homestead's mission and its methods of sustainable power, agriculture, and community. The seminar has two parts: students must attend and participate in the regularly scheduled sessions and colloquia, and students must propose and complete a project related to the Homestead's mission and operations. Non-Homestead residents must apply to the Homestead seminar teacher to be admitted. **1**

Intermediate Topics in Interdepartmental (INTD-299) 1-4

Directed Study (INTD-361) 1-4

Directed Study (INTD-362) 1-4

Independent Study (INTD-363) 1-4

Independent Study (INTD-364) 1-4

Senior Research (INTD-451) 4

Senior Research (INTD-452) 4

International Studies

Committee

Taku Suzuki, Chair

Hanada Al-Masir (Modern Languages), Gary Baker (Modern Languages), Brenda Boyle (English), John Cort (Religion), Katy Crossley-Frolick (Political Science), John Davis (Anthropology and Sociology), Sue Davis (Off-Campus Studies), Susan Diduk (Anthropology and Sociology), Quentin Duroy (Economics), Joanna Grabski (Art History & Visual Culture), Fareeda Griffith (Anthropology and Sociology), Alina Haliliuc (Communication), Dane Imerman (Political Science), Fadhel Kaboub (Economics), Sangeet Kumar (Communication), Veerendra Lele (Anthropology and Sociology), Jeehyun Lim (English), Francisco Lopez-Martin (Modern Languages), Diana Mafe (English), Regina Martin (English), Isis Nusair (International Studies and Women's & Gender Studies), Taku Suzuki (International Studies), Joanna Tague (History); Academic Administrative Assistant Madalina Shipp.

Departmental Guidelines and Goals

The International Studies program is interdisciplinary in nature. It encourages all of its students to view the world from interdisciplinary perspectives and to be broadly concerned with social, political, economic, historical, and cultural processes, and the power differentials and links that connect individuals, communities, groups, states and regions across the globe.

International Studies Major

Students who major in International Studies must take the following courses: INTL 100 "The Making of the Modern World" (the introductory course to the major, taken by the end of sophomore year) INTL 200 "Themes and Approaches" (required for sophomore International Studies majors) INTL 201 "Major Proposal Course" (1-credit proposal writing course, taken Spring semester sophomore year) INTL 400 "Senior Capstone Seminar" (offered in the Fall semester for International Studies seniors), Two INTL 250 electives "Global and Local Flows and Frictions" (several elective courses offered each semester), four courses organized into a thematic concentration ("concentration courses"), two semesters of non-English language study beyond the Denison GE requirement, relevant off-campus study (OCS) experience. I. Majors must take INTL 100, 200, and 201 by the end of the sophomore year. II. In the INTL 201 course students will propose four courses that they will use as their "concentration courses" to fulfill their specific concentration area within International Studies. Up to three courses from their OCS program may count towards their concentration. III. The

language requirement can be fulfilled in a number of ways and students should consult with the INTL Director or a INTL faculty advisor. Students may include in their off-campus study (OCS) a language particular to that program and one that is not taught at Denison. Students who enter Denison as multilingual students are not automatically exempt from the language requirement. IV. All majors in International Studies must take INTL 400, the senior capstone seminar in the Fall semester of their senior year.

INTL 100 “The Making of the Modern World” (the introductory course to the major, taken by the end of sophomore year)

INTL 200 “Themes and Approaches” (required for sophomore International Studies majors)

INTL 201 “Major Proposal Course” (1 credit proposal writing course, taken Spring semester sophomore year)

INTL 400 “Senior Capstone Seminar” (offered in the Fall semester for International Studies seniors)

Two INTL 250 electives “Tracing Global Processes” (several elective courses offered each semester)

Four courses organized into a thematic concentration (concentration courses)

Two semesters of non-English language study beyond the Denison GE requirement

Relevant off-campus study experience

1. Majors must take INTL 100, 200, and 201 by the end of the sophomore year.
2. In the INTL 201 course students will propose four courses they will use as their concentration courses to fulfill their specific concentration area within International Studies. Up to three courses from their OCS program may count towards their concentration.
3. The language requirement can be fulfilled in a number of ways, and students should consult with the INTL Director or another INTL faculty advisor. Students may include in their off-campus study a language particular to that program and one that is not taught at Denison. Students who enter Denison as multilingual students may have already fulfilled the INTL language requirement.
4. All majors in International Studies must take INTL 400 the senior capstone seminar in the Fall semester of their senior year.

Course Offerings

Introduction to International Studies: The Making of the Modern World (INTL-100) Introduction to themes, concepts and approaches to International Studies from an interdisciplinary perspective. The course explores key concepts of modernity in the context of specific cultural, political, and economic experiences within a historical framework. This course must be taken before the end of the sophomore year. **4**

Introductory Topics in International Studies (INTL-199) A general category used only in the evaluation of transfer credit. **1-4**

Themes and Approaches in International Studies (INTL-200) The main goals of this course are to introduce sophomore students, who have completed INTL100, to some of the key themes and theories within the purview of International Studies to help them shape their individual concentrations in the major. The course also provides opportunities for students to examine various world problems through an interdisciplinary lens, drawing on both political-economic and sociocultural analytical frameworks in various disciplines. Finally, students learn the basics of academic research and writing processes, i.e., formulating a well-defined topic, posing a relevant research question, finding and interrogating appropriate sources, justifying the research’s intellectual contribution to a broader scholarly audience and, when applicable, to the efforts to solve real-world problems, through writing and revising a carefully crafted prose. Among numerous debates and issues that International Studies scholars grapple with, the course focuses on four broadly conceived themes: economic development, nationalism and national identity, transnational migration, and mediated and material culture. After learning major scholarly approaches to theorize each of these themes, students develop individual research project and write a scholarly paper, complete with abstract, introduction, literature review,

case study, and conclusion. At the end of the course, students are expected to be able to formulate, broaden, and contextualize their thematic and topical concentrations within the interdisciplinary scheme of International Studies, and be equipped with academic research skills to pursue their concentrations in the major. **4**

Major Proposal for International Studies (INTL-201) The required mid-level course is for all International Studies majors. The goals of this one-credit course are to create a vibrant intellectual community of students, in which they collaboratively formulate individual interests in the field of International Studies through discussion and peer-reviews in class, and consultation with the course coordinator (International Studies Program Director) and faculty advisor assigned by the coordinator. Through these processes, the students are expected to not only develop strong camaraderie among them as the new INTL majors, but also formulate comprehensive plans for how they will pursue their interests in International Studies during their final two years at Denison. This involves charting out their courses in International Studies for the next two years—including coursework from off-campus study programs that they wish to count towards the International Studies major. By the end of the course, students submit the major proposal, in which they synthesize coursework, off-campus study (or an internship), and language training in a way that allows them to develop a coherent area of expertise within International Studies, and they will share their goals and plans with their cohort and a wider International Studies community. The proposals will be evaluated by the course coordinator, who consults with the entire International Studies Program Committee. **1**

Global and Local Flows and Frictions (INTL-250) A mid-level topics course that allows students to build upon concepts and theories introduced in INTL-100 and 200. It explores, in specific and contextualized terms, particular issues associated with global linkages in contemporary and historical contexts. The course takes into account cultural, economic and political factors. The specific topic or theme varies according to the interest of the faculty member teaching the course. Students may take more than one section of this course. **4**

Intermediate Topics in International Studies (INTL-299) A general category used only in the evaluation of transfer credit. **1-4**

Directed Study (INTL-361) Directed studies are undertaken at the initiative of the student and may involve any topic acceptable to the student and an instructor. Written consent. **1-4**

Directed Study (INTL-362) Directed studies are undertaken at the initiative of the student and may involve any topic acceptable to the student and an instructor. Written consent. **1-4**

Independent Study (INTL-363) Written consent. **1-4**

Independent Study (INTL-364) Written consent. **1-4**

Senior Capstone Seminar (INTL-400) This seminar integrates the three core courses, the four concentration courses, the off-campus experience and the language training, into a culminating research project. It focuses on theoretical tools, frameworks and methodologies in International Studies. This seminar emphasizes the development of independent research skills and scholarly writing in connection with a research project based on individual students' interests. **4**

Senior Research (INTL-451) **4**

Senior Research (INTL-452) **4**

Japanese

Faculty

Associate Professor Christine Armstrong, Chair

Associate Professor Michael Tangeman; Visiting Assistant Professor Yumiko Tashiro; Visiting Instructor Yoshihisa Hirota; Academic Administrative Assistant Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of this opportunity, they can use the target language in all subsequent courses. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate another culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

Additional Points of Interest

General Departmental Regulations Students who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO that is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authenticated materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where the Denison community can find information about upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices with which to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable, The TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector, which connects to a networked Mac computer, the DVD player and document camera.

Although the Department of Modern Languages offers majors in French, German and Spanish, it also offers courses in other languages for the purpose of general education and support of other college programs. Courses in Japanese are listed below.

The Language and Culture Program This exciting residential option gives students the opportunity to hone their language skills and to participate in special cultural events. Students who choose this residential option will live in community with their peers who share enthusiasm for language and culture study. Extra-curricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Course Offerings

Beginning Japanese I (JAPN-111) A comprehensive introductory course in modern Japanese develops the four basic skills: aural comprehension, speaking, reading and writing. The two beginning courses will concentrate on correct pronunciation, an active vocabulary of 500-1000 words as well as basic grammatical patterns. **4**

Beginning Japanese II (JAPN-112) A comprehensive introductory course in modern Japanese develops the four basic skills: aural comprehension, speaking, reading and writing. The two beginning courses will concentrate on correct pronunciation, an active vocabulary of 500-1000 words as well as basic grammatical patterns. Prerequisite: 111 or consent. **4**

Intermediate Japanese I (JAPN-211) Comprehensive grammar will be the core of the course, along with further development of reading ability and more extensive oral practice. Prerequisite: JAPN 112 or consent. **4**

Intermediate Japanese II (JAPN-212) Prerequisite: JAPN 211 or consent. **4**

Introduction to Modern Chinese and Japanese Literature (JAPN-235) This course is designed to provide an introduction to modern Chinese and Japanese fiction for the student who has little or no background in the language, history, or culture of these countries. No prerequisite. This course cross-listed with EAST 235. **4**

Introduction to Japanese Genre Fiction (JAPN-239) Genre fiction (sometimes called "commercial fiction") around the world has been broadly categorized as less-refined, or less literary. Postmodern thinkers

have demonstrated, however, that popular fiction can serve as a fascinating lens through which to read place (society, race, gender, etc.) and time (historical period). This class will serve as an introduction to Japan's long, rich tradition of genre fiction. In addition to reading recent criticism of the genres discussed, we will consider representative works, primarily by twentieth-century authors, in three genres: historical/period fiction, mystery/detective fiction, and horror fiction. This course is taught in English. No Japanese language required. This course is cross-listed with EAST 239. **4**

Modern Japan in Film and Literature (JAPN-273) This course uses film and modern literature to consider responses to political, economic, and sociological changes in Japanese society over the course of the twentieth century. This course is taught in English. **4**

Japan's Modern Canon (JAPN-309) In this course we will read extensively from the works of the four twentieth-century Japanese authors who have been elevated to the status of canonized writers, that is, whose works are regarded both in and out of Japan as essential in the history of Japanese letters. Note that readings will vary from semester to semester. This course is taught in English. **4**

Advanced Japanese I (JAPN-311) The two Advanced Japanese courses introduce students to a number of complex, essential grammatical structures, notably sentence modifiers (relative clauses), and verb categories (transitive and intransitive verbs) that allow students to create longer, more complex culturally coherent utterances. Students will also learn 200 Chinese characters. Prerequisite: JAPN 212 or equivalent. **4**

Advanced Japanese I (JAPN-312) The two Advanced Japanese courses introduce students to a number of complex, essential grammatical structures, notably sentence modifiers (relative clauses), and verb categories (transitive and intransitive verbs) that allow students to create longer, more complex culturally coherent utterances. Students will also learn 200 Chinese characters. Prerequisite: JAPN 311 or equivalent. **4**

Directed Study (JAPN-361) **1-4**

Directed Study (JAPN-362) **1-4**

Independent Study (JAPN-363) **1-4**

Independent Study (JAPN-364) **1-4**

Special Topics in Advanced Japanese (JAPN-400) **4**

Senior Research (JAPN-451) **4**

Senior Research (JAPN-452) **4**

Latin American and Caribbean Studies (concentration only)

Faculty

Director: Frank Proctor (History)

Christine Armstrong (French), Monica Ayala-Martínez (Spanish and Portuguese), Isabelle Choquet (French), Dosinda García-Alvite (Spanish), Melissa Huerta (Spanish), Francisco López-Martín (Spanish), Frank Proctor (History), Charles St-Georges (Spanish), Luis Villanueva (Economics), Micaela Vivero (Art Studio)

Department Guidelines and Goals

The concentration in Latin American and Caribbean Studies is designed to promote a multidisciplinary approach to social, historical, political and linguistic issues in Latin America and the Caribbean. It is founded on the basic pillars of a Liberal Arts education such as understanding the person as a whole, promoting critical thinking and expanding cultural horizons. Its mission is to provide students a strong historical, social and cultural foundation for the understanding of specific components of differing Latin American and Caribbean cultures. Through this approach, we strive to foster critical awareness of the heterogeneity that characterizes the region as well as a critical understanding of the complexities of its relationship with the United States. The curriculum of the Latin American and Caribbean studies concentration expresses our commitment to developing the person as a whole by allowing students to explore, analyze, discuss, read and write about a variety of themes directly related to Latin America, from different theoretical frameworks. This in turn encourages students to reflect upon their own cultural background.

LACS Concentration

Core Requirements Students in the concentration are required to take (or demonstrate that they have taken the equivalent of) the following courses: Two modern language courses (or the equivalent), beyond the general education requirements in a language spoken in the Latin American and Caribbean area (Portuguese, Dutch, French, Spanish, or an indigenous language). The two courses may be the two first semesters in one of these languages, if the student has already fulfilled the GE requirement in a language that is not spoken in the area - 8 credits; LACS 201, Introduction to Latin American and Caribbean Studies (taught in English), or SPAN 230, Introduction to Latin American Cultures (taught in Spanish). It will count as an I GE course as well - 4 credits; Senior Research, one semester of senior research. The research project can be submitted in English and where possible this could be done in conjunction with the student's major - 4 credits.

Electives Latin American and Caribbean Studies students will also take three elective courses from different departments. These courses are cross-listed by different programs. History: HIST 140, 141, 142, 240, 243, 244, 265/365, 266, 340; Fine Arts/ Language and Culture: ARTS 141, SPAN 220, 325, 425; Society and culture: ANSO 339, 319, SPAN 230, 330, 435.

Additional Points of Interest

The same course cannot be used to fulfill more than one of the above requirements. Students are encouraged to consult with the Director of Latin American and Caribbean Studies in making their choices. Students are also encouraged to pursue study abroad programs in Latin America and the Caribbean.

Course Offerings

Special Topics in Latin American & Caribbean Studies (LACS-100) 4

Racial Politics in Latin America (LACS-124) This course will examine the role of race and politics in Latin America by examining concepts such as mestizaje or racial mixture and how that shapes relationships of power and development in these societies. We will also examine the role of whiteness and blackness and how such concepts are used to ensure hierarchies of privilege and disadvantage. What role does a racialized hierarchy play throughout Latin America when considering who are the haves and have nots and which roles are racialized groups such as indigenous and Afro-descendants in Latin America allowed to play in national development? We will first learn about theories of race, politics, and history in select countries. Second, we will apply the theories we have learned to focus on Latin American countries such as Colombia, Mexico, Cuba, Brazil, and Argentina. **4**

Introductory Topics in Latin American and Caribbean Studies (LACS-199) A general category used only in the evaluation of transfer credit. **1-4**

Special Topics in Latin American and Caribbean Studies (LACS-200) Studies in Latin American and Caribbean Studies. **4**

Introduction to Latin American Caribbean Study (LACS-201) A comprehensive introduction to the nature of the problem of the Latin American society. A general study of the geography, the historical background, the social, economic, and political contemporary developments as well as the influence of religion and ideology on the Latin American and Caribbean countries. **4**

Colonial Latin America (LACS-211) A survey course on Latin America from Conquest through Independence. Topics include exploration of: 1) how Spain and Portugal conquered and colonized the Americas, 2) how they managed to maintain control over those colonies, 3) how the colonized (Indians, Africans, and mixed races) responded to the imposition of colonial rule, 4) the role of women and gender in colonial settings, and 5) the implications of colonialism for the study of modern Latin America. Cross-listed with HIST 141. **4**

The Atlantic World (LACS-212) Drawing together the histories of Europe, Africa, and the Americas, this course explores the origins, development, and meanings of the new Atlantic World created after 1492. Topics may include imperial expansion and colonization, European-Amerindian relations, European-African relations, slavery and the trans-Atlantic slave trade, the growth of mercantile capitalism and the establishment of an Atlantic economy, the maturation of Euro-American colonial societies and their struggles for national independence, and the abolition of slavery. **4**

Introduction to Hispanic Literature (LACS-220) Reading and discussion of literary works from the Spanish-speaking world. Emphasis will be on utilizing language skills in the study and analysis of literature from Latin America, Spain and the United States. Conducted in Spanish. Prerequisite: SPAN 215. **4**

Introduction to Hispanic Culture (LACS-230) An introduction to the study of Hispanic cultures, both Peninsular and Latin American; this course presents the basic context of the customs, beliefs and values of the Hispanic peoples and seeks to provide a basis for more advanced study. Conducted in Spanish. Prerequisite: SPAN 215 or consent. **4**

Special Topics in Latin American & Caribbean Studies (LACS-300) **4**

Survey of Latin American Literature (LACS-325) Survey of literary genres, periods and movements in Latin American from 1492 to the present. The main focus will be to give a sense of literary history and cultural context; readings will include representative selections from each period and movement. Conducted in Spanish. Prerequisite: LACS 220 or consent. **4**

Lugar Program

Faculty

Associate Professor Andrew Z. Katz, Director

Associate Professors: Sue Davis, Paul Djupe, Katy Crossley-Frolick; Assistant Professors: Mike Brady, Heather Pool; Visiting Assistant Professors Dane Imerman, Wei-Ting Yen

Program Guidelines and Goals

The program is named in honor of Richard Lugar, Denison University class of 1954, who represented Indiana in the United States Senate from 1977-2013. As one-time Mayor of Indianapolis, former chair of the Senate Foreign Relations Committee, and Denison Trustee, Senator Lugar's record is a model for all who aspire to engage in public service. Inspired by Senator Lugar's legacy of academic excellence, distinguished service, and prominent role in American politics and foreign policy, the Lugar Program is open to students of all majors and partisan preference. International students are welcome to enroll.

The Lugar Program features two tracks. Track One focuses on American politics and public policy. It combines coursework in these areas with a congressional internship. Students must complete a total of four courses in American politics and foreign policy, including Politics of Congress (POSC 307) and either Foreign Policy Formulation or Conduct of American Foreign Policy (POSC 214 or 341). The other two Track One course requirements may be fulfilled by completing any of the Political Science class offerings in the subfields of American Politics. Students must earn a grade of C or better in each Lugar Program course. Completion of all four Lugar Program courses is required before beginning the congressional internship. Students may intern in any congressional office during the summer following either their sophomore or junior year. The Lugar Program will endeavor to place interns in the office of a member of the House or Senate. Alternatively, students may opt to participate in an approved off-campus program and intern for an entire semester under the auspices of their Washington program.

The Lugar Program will only sponsor students for congressional internships who have a record unblemished by serious disciplinary or academic infractions as reported by the Office of Student Development and the Provost's Office.

Track Two has been designed for students with an interest in international affairs and foreign policy, especially with an aptitude for the study of foreign languages and a desire to pursue a career in such fields as national security, homeland defense, weapons proliferation and foreign affairs. In particular, Track Two provides a foundation for graduate study at the Graduate School of International Policy Studies at the Monterey Institute in California, or at similar graduate programs that also require extensive language training. To complete the Track Two program at Denison, students must take two years (four semesters) of coursework in a foreign language. Although French, German, and Spanish are acceptable, students interested in the Monterey option are encouraged to study Arabic, Chinese or Japanese. Some coursework in a language could be undertaken at Monterey or another institution, most likely during the summer. Students must take four courses selected from the Political Science Department offerings in the subfields of Comparative Politics or International

Politics. The minimum grade in each of these courses and in every semester of foreign language instruction is a C. Track Two contains an experiential/internship component that must be completed while participating in an approved off-campus program.

For both tracks, with the approval of the Director, one off-campus course may be used to fulfill Lugar course requirements.

How To Apply Please complete an application form found either in the Political Science Department office, or linked to the Lugar Program Homepage (<http://denison.edu/academics/lugar>). For additional information, contact the program director: Dr. Andrew Z. Katz, Political Science Department, Denison University, Granville, Ohio 43023, Telephone: (740) 587-6405 Fax: (740) 587-6601.

Mathematics

Faculty

Professor Lewis D. Ludwig, Chair

Professors Lewis D. Ludwig, Matthew P. Neal, Michael D. Westmoreland; Associate Professor Sarah Rundell; Assistant Professors May Mei, David White, Sarah Wolff; Visiting Instructors Laura Dolph Bosley, Alice Miller, William Robinson; Academic Administrative Assistant, Dee Ghiloni

Departmental Guidelines and Goals

Mathematics is an essential part of a liberal arts education with numerous connections to a variety of disciplines. The study of mathematics is a challenging and exciting activity that sharpens logical reasoning skills and improves problem solving ability. The curriculum is designed so students can apply these skills to analyze both real-world questions and explore sophisticated mathematical theory.

Students interested in the Mathematics major should take Math 123-124 followed by Math 231 and Math 210 by the end of the sophomore year. It is strongly recommended that Mathematics students take CS 109, 110, 111 or 112 by the end of their sophomore year.

Most upper level mathematics electives fall into two categories: Foundation and Applied. Foundation courses focus on teaching abstract reasoning and the reading, creation, and writing of rigorous proofs in the study of the foundational structures of mathematics. Currently these courses are MATH 321, 322, 329, 331, and 332. Applied courses, while not devoid of proofs, include a significant study of how mathematical techniques can be used to model and analyze real world problems. Currently applied courses include Math 334, 335, 337, and 357. Other courses, such as MATH 361-362, MATH 363-364, or MATH 400, include various additional topics.

Denison offers a number of research opportunities, including funding for summer research projects. Interested students should consult a faculty member as early as possible in the fall semester.

Non-major/minor students interested in taking a mathematics course should consider Math 102 or 122.

Mathematics Majors

The CORE courses consist of:

- MATH 124 Multivariable Calculus
- MATH 210 Introduction to Proof Techniques
- MATH 215 Technical Communication
- MATH 231 Linear Algebra and Differential Equations
- MATH 232 Mathematical Modeling
- CS 109, 110, 111, or 112 Discovering Computer Science

The FOUNDATION courses consist of:

- MATH 321 Advanced Analysis
- MATH 322 Topology
- MATH 329 Vector Calculus and Complex Analysis
- MATH 331 Combinatorics
- MATH 332 Abstract Algebra

Students who did not receive a 4 or 5 on the Calculus AB Advanced Placement exam will usually need to take MATH 123 before MATH 124.

Bachelor of Arts The minimum requirement for the Bachelor of Arts in Mathematics are the CORE courses and:

1. MATH 321 or MATH 322.
2. A second FOUNDATIONS course from 321, 322, 329, 331, or 332.
3. Two 300 or 400-level math electives (excluding 361-362, 363-364, 451-452).

Bachelor of Science The minimum requirement for the Bachelor of Science in Mathematics are the CORE courses and:

1. MATH 321, 332, and either 322 or 329.
2. Three additional 300 or 400-level math electives (excluding 361-362, 363-364, 451-452).

Mathematics Minor

The minimum requirements for a mathematics minor are MATH 124, 210, 231, 232 and an elective that must be CS 109, 110, 111, 112, or any 200 or 300 level math elective (excluding 361-362 and 363-364).

Computational Science Concentration

Computational Science is the field of study concerned with constructing mathematical models and numerical solution techniques, and using computer algorithms and simulation to analyze and solve scientific, social scientific, and engineering problems. The Computational Science concentration consists of four core courses - MATH 124, 231, CS 173 and one of CS 109, 110, 111, or 112, and an additional course at the 200 level or above. This additional course, which may be in another department, must have a strong and persistent mathematical modeling or computing component and must be approved in advance by the Mathematics and Computer Science Department. In addition, the student must take a two (2) semester sequence of courses in a department other than Mathematics and Computer Science. A written plan for completing the concentration must be approved by the Mathematics and Computer Science Department prior to enrollment in the elective course. In particular, the elective course and cognate requirements above must be chosen in consistence with a valid educational plan for the study of Computational Science (as defined above). Any mathematics major who wishes to complete this concentration must choose a computer science course as an elective course. Any

computer science major who wishes to complete this concentration must choose a mathematics course as an elective course. A double mathematics and computer science major is not eligible for this concentration.

Additional Points of Interest

The department of Mathematics and Computer Science strongly encourages students to globalize their education by completing some portion of their undergraduate education abroad. A majority of Denison students spend a semester abroad during their junior year and many more spend a second summer abroad. Denison offers a wide range of opportunities to study off-campus that are highly relevant to the Denison experience.

Going abroad allows students to enhance their knowledge while experiencing another culture and way of life. Students gain valuable international experience that will benefit future career goals and/or graduate school opportunities. Math and Computer Science majors who are fluent in another language will have special advantages in the job market.

Course Offerings

Elements of Statistics (MATH-102) An introduction to statistical reasoning and methodology. Topics include experimental design, exploratory data analysis, elementary probability, a standard normal-theory approach to estimation and hypothesis testing and linear and multi-variable regression. Not open for credit to students who have taken Psychology 370. **4**

Special Topics in Mathematics (MATH-120) Variable topics involving: mathematical methods for the Natural and Social Sciences and Mathematical Problem Solving. **1-4**

Essentials of Calculus (MATH-121) A one-semester introduction to single-variable calculus focused on functions, graphs, limits, exponential and logarithmic functions, differentiation, integration, techniques and applications of integration, and optimization. Emphasis is given to applications from the natural and social sciences. **4**

Mathematical Methods for the Physical and Social Sciences (MATH-122) This course will explore three major topics of mathematics: linear algebra, probability and statistics, and Markov chains. Using these three topics, students will engage in three real world applications in biology, chemistry, and economics. This course is well suited for students who need a year of mathematics, like many pre-professional programs, and are looking for real applications of mathematics beyond the typical algebra and calculus approach. While this course would be a natural extension for pre-professional students who have taken Math 121 Essentials of Calculus, this course only requires a strong background in high school Algebra II. **4**

Single Variable Calculus I (MATH-123) An accelerated introduction to the calculus of single variable functions with early transcendentals. Topics include limits, derivatives, integrals, and applications of calculus to the natural and social sciences including optimization, differential equations, curve, probability, velocity, acceleration area, volume. Net Change theorem, Fundamental Theorem of Calculus. Prerequisite: Placement or MATH 121. (Offered each semester) **4**

Multivariable Calculus II (MATH-124) A continuation of the study of single variable calculus, together with an introduction to linear algebra and the calculus of multivariable functions. Topics include: an introduction to infinite sequences and series, vectors, partial and directional derivatives, gradient, optimization of functions of several variables, integration techniques, double integrals, elementary linear algebra, and an introduction to differential equations with applications to the physical and social sciences. Prerequisite: AP Calculus AB or BC score of 4 or 5 or MATH 123. **4**

Introductory Topics in Mathematics (MATH-199) A general category used only in the evaluation of transfer credit. **1-4**

Topics in Mathematics (MATH-200) A course used to introduce new intermediate-level courses into the curriculum. (Also listed under Computer Science offerings.) **4**

Introduction to Proof Techniques (MATH-210) An introduction to proof writing techniques. Topics will include logic and proofs, set theory, mathematical induction, relations, modular arithmetic, functions, cardinality, number theory, and calculus. Prerequisite: MATH 124. **4**

Technical Communication I (MATH-215) This course aims to enhance mathematics and computer science students' proficiency and comfort in orally communicating content in their disciplines. Students will develop skills in presenting technical information to a non-technical audience. In particular, students will deliver a number of presentations during the semester on substantive, well-researched themes appropriate to their status in their major. Corerequisite a 200-level mathematics or computer science course. **1**

Linear Algebra and Differential Equations (MATH-231) A continued study of Linear Algebra with applications to linear differential equations and mathematical models in the physical and social sciences. Topics include abstract vector spaces over the real and complex numbers, bases and dimension, change of basis, the Rank-Nullity Theorem, linear transformations, the matrix of a linear transformation, eigenvectors and eigenvalues, diagonalization, matrix exponential, linear differential equations of order n , linear systems of first order differential equations, and a continued study of infinite series, power series, and series solutions of linear differential equations. Prerequisite: MATH 124. **4**

Mathematical Modeling (MATH-232) A course in mathematical modeling including linear and nonlinear optimization models, linear and non-linear dynamic models, and probability and statistical models. Both continuous and discrete models are considered. This course focuses on applying mathematics to open ended, real world problems, and effectively communicating conclusions. Sensitivity analysis and model robustness are emphasized throughout. This course also strongly features approximation and simulation methods in conjunction with analytic methods. Prerequisite: CS 109, 111, 112, and MATH 231. (offered in Spring) **4**

Analysis of Risk (MATH-241) This course covers the essentials of asset management including the diversification of investment portfolios. The course begins with the basics of present value analysis and probability theory. Basic tools will be developed and used to study issues such as basic portfolio optimization and asset pricing. Prerequisite: MATH 124 (offered Spring). **4**

Applied Statistics (MATH-242) Statistics is the science of reasoning from data. This course will introduce the fundamental concepts and methods of statistics, including calculus-based probability. Topics include experimental design, data collection, and the scopes of conclusion, a robust study of probability models and their application to statistical inference, hypothesis testing, and regression analysis. **4**

Intermediate Topics in Mathematics (MATH-299) A general category used only in the evaluation of transfer credit. **1-4**

Technical Communication II (MATH-315) This course is a capstone experience in oral and written communication for mathematics and computer science majors. Students will research a substantive topic, write a rigorous expository article, and make a presentation to the department. Prerequisite: Math/CS 215. Corequisite: a 300-400 level mathematics or computer science course. **1**

Advanced Analysis (MATH-321) A rigorous analysis of limits, continuity, differentiation, integration, uniform convergence, infinite series and basic topology. Prerequisite: Math 210 and 231. (offered in Fall) **4**

Topology (MATH-322) A study of general topological spaces, including interiors, closures, boundaries, subspace, product, and quotient topologies, continuous functions, homeomorphisms, metric spaces, connectedness, and compactness together with applications of these concepts. Additional topics may include algebraic topology, including homotopy and homology groups, and/or a parallel study of general measure spaces, including inner and outer measure. Prerequisite: Math 321 or consent. (offered in Spring) **4**

Vector Calculus and Complex Analysis (MATH-329) An study of Vector Calculus including vector valued functions, curves, Kepler's laws, curvature, torsion, multiple integrals, iterated integrals, Fubini's theorem, polar, cylindrical, spherical coordinates, center of mass, moments of inertia, determinants and n-dimensional volume, change of variables, differential forms, line integrals, Green's Theorem, surface integrals, flux, curl, divergence, Stoke's Theorem, Divergence Theorem, Gauss's law, Maxwell's equations and applications to Topology. The lens is then narrowed to study functions of a complex variable, including an introduction to complex numbers, analytic functions, derivatives, singularities, integrals, Taylor series, Laurent Series, conformal mappings, residue theory, analytic continuation. Cauchy-Riemann Equations, Cauchy's Theorem, Cauchy Integral Formula, Big and Little Picard Theorems, Riemann Mapping Theorem, and Rouche's Theorem. Prerequisite: MATH 210 and 231. **4**

Combinatorics (MATH-331) This course is the study of counting techniques for discrete collections of objects. This course will include topics such as permutations and combinations, binomial coefficients, inclusion-exclusion, Fibonacci numbers, Catalan numbers, set partitions, Stirling numbers, generating functions, exponential generating functions, and Pólya counting. Prerequisite: MATH 210. **4**

Abstract Algebra (MATH-332) A rigorous analysis of the structure and properties of abstract groups, rings, fields, and vector spaces. Prerequisite: MATH 210 and 231. (Offered Fall) **4**

Theory of Computation (MATH-334) This course is the study of computers as mathematical abstractions in order to understand the limits of computation. In this course, students will learn about topics in computability theory and complexity theory. Topics in computability theory include Turing machines and their variations, the Universal Turing machine, undecidability of the halting problem, reductions, and proving undecidability of other problems. Topics in complexity theory include the classes P and NP, NP-completeness, and other fundamental complexity classes. This course is a study of formal languages and their related automata, Turing machines, unsolvable problems and NP-complete problems. Prerequisite: CS 109, 110, CS 111, or 112, and MATH 210 or CS 234. **4**

Probability Computing and Graph Theory (MATH-335) This course is about the design and analysis of randomized algorithms, (i.e. algorithms that compute probabilistically). Such algorithms are often robust and fast, though there is a small probability that they return the wrong answer. Examples include Google's PageRank algorithm, load balancing in computer networks, coping with Big Data via random sampling, navigation of unknown terrains by autonomous mobile entities, and matching medical students to residencies. The analysis of such algorithms requires tools from probability theory, which will be introduced as needed. As there have been many randomized algorithms designed to solve problems on graphs, the course introduces numerous topics from graph theory of independent mathematical interest. Graphs are often used to mathematically model phenomena of interest to computer scientists, including the internet, social network graphs, and computer networks. Lastly, this course demonstrates the powerful Probabilistic Method to non-constructively prove the existence of certain prescribed graph structures, how to turn such proofs into randomized algorithms, and how to derandomize such algorithms into deterministic algorithms. Prerequisite: CS 271 or MATH 232, and MATH 210 and one from CS 109, 110, 111, or CS 112. **4**

Advanced Linear Algebra (MATH-336) This is a second course in linear algebra, which will continue to develop a linear algebra toolkit in order to pursue a mixture of theory and applications. Topics discussed

Mathematics

will include singular value decomposition, canonical forms, orthogonal bases and inner product spaces, harmonic analysis and the discrete Fourier transform. The course will also include applications of these concepts in mathematics, computer science, and physics. Prerequisite: MATH 231 and 210, or consent. **4**

Operations Research (MATH-337) This course involves mathematical modeling of real-world problems and the development of approaches to find optimal (or nearly optimal) solutions to these problems. Topics may include: modeling, linear programming and the simplex method, the Karush-Kuhn Tucker conditions for optimality, duality, network optimization, and nonlinear programming. Prerequisite: MATH 231. (Offered in Fall) **4**

Applied Probability (MATH-341) A study of single variable, multi-variable, and stochastic probability models with application to problems in the physical and social sciences. Includes problems in Biology, Finance, and Computer Science. Prerequisite: MATH 231. **4**

Fourier Analysis (MATH-357) A study of a widely used and applied subfield of advanced Linear Algebra and Calculus (which also uses Calculus). For example, your ear processes a sound wave (maybe from plucking guitar strings) by changing into an orthogonal frequency basis allowing us to hear the main notes and some selected overtones. We This course will essentially use the power of changing (orthogonal) bases to analyze a wide array of problems in image processing, sound processing, signal reconstruction, medical imaging, wave analysis, heat diffusion, statistical modeling, quantum mechanics, number theory, and geometry. No knowledge of these application topics is necessary. Prerequisite: MATH 231. **4**

Directed Study (MATH-361) **1-4**

Directed Study (MATH-362) **1-4**

Independent Study (MATH-363) **1-4**

Independent Study (MATH-364) **1-4**

Advanced Topics in Mathematics (MATH-399) A general category used only in the evaluation of transfer credit. **1-4**

Advanced Mathematical Topics (MATH-400) Advanced topics in Abstract Algebra, Analysis, Geometry or Applied Math. **4**

Advanced Mathematical Topics (MATH-401) Advanced topics in Abstract Algebra, Analysis, Geometry or Applied Math. **4**

Senior Research (MATH-451) **4**

Senior Research (MATH-452) **4**

Music

Faculty

Professor Ching-chu Hu, Chair

Professors: Andrew Carlson, Ching-chu Hu; Associate Professors: Wei Cheng, HyeKyung Lee; Assistant Professors: Daniel Blim, Philip Rudd, Christopher Westover; Visiting Assistant Professor: Sam Parler; Instructors: Belinda Andrews-Smith, Casey Cook, Nelson Harper, Pete Mills, Seth Rogers, Kevin Wines; Affiliated Studio Instructors: Brett Burleson, Tim Carpenter, Whitney Davis, Jackie Eichhorn, Ryan Hamilton, Stephanie Henkle, Cora Kuyvenhoven, Richard Lopez, Leslie Maaser, David Nesmith, Emily Patronik, Deborah Price, Sarah Ramsey, Doug Richeson, Steven Rosenberg, Andy Strietelmeier, James Van Reeth, Ni Yan; Academic Administrative Assistant, Pam Hughes

Departmental Guidelines and Goals

The music department serves the whole Denison community, offering courses and concerts that allow students to develop their artistic, creative, and intellectual potential. We believe that performance and intellectual study of music mutually deepen and strengthen one another. Our music majors and minors attain fluency in music through rigorous study of music history, theory, and technique, and apply this knowledge in performance and analysis. In accordance with the ideals of a liberal arts education, our department offers a broad exposure to musics across time and place. We open music classes, lessons, and ensembles to the entire campus, forming not only an integral part of life at Denison, but also a tool for connecting our students with the broader community. By modeling a vibrant community of musicians and audiences, we foster a culturally and ethically informed citizenship with a lifelong passion for the arts.

Music Major (B.A. Degree)

Performance Requirements Majors in music are required to complete the private lessons and recital or project requirements as specified in the area of emphasis. In addition to course requirements students must pass the appropriate Keyboard Proficiency and Performance Skills Examinations. All majors and minors taking private lessons are required to perform a Performance Jury each semester unless they are registered for the junior or senior recital. Declared music majors must participate in one core ensemble each term. For specific ensemble requirements based on instrument or area of study, please refer to the Music Department Handbook. Students should take a mixture of core and small ensembles chosen in consultation with their private teacher, department chair, and area coordinator.

A major in music requires the completion of the requirements of the five core courses and the requirements of the selected area of emphasis.

Private Lessons Music performance majors and performance minors must enroll for two-credit-hour lessons on their primary instrument; non-performance minors must enroll for one credit-hour lesson. The minimum number of required lessons must be taken on the same instrument (or voice). One credit hour is given for one half-hour lesson per week and two credit hours are given for one hour-long lesson per week. A one credit hour student is expected to practice 1 hour daily and a two credit hour student is expected to practice 2 hours daily. Students enrolled in Private Lessons should also be concurrently enrolled in an ensemble. There is an applied music fee of \$500 for each academic credit hour. All declared Music Majors and Minors will be given 1 waived credit hour for private lesson instruction each semester. At the discretion of the Music Department, Music Majors may have up to 4 credit hours waived and Music Minors may have up to 3 credit hours waived. Beginning students should opt for the class lessons in class piano, class voice and class guitar.

Music

There is no extra fee for class lessons. (For costs, see Department of Music Fees under College Costs in the Catalog.) Students who drop private lessons after the drop date will still be responsible for their lesson fee.

Concert Attendance Journal All music majors and minors are required to submit a concert attendance journal each term. The journal is reviewed by the appropriate area coordinator and filed in the music office. Music students are notified at the beginning of each semester regarding the specific attendance requirements. Guidelines for the journal are available in the Music Office.

Core Ensemble Declared music majors and minors must participate in at least one core ensemble each semester. Bluegrass Ensemble, Chamber Singers, Concert Choir, Jazz Ensemble, Orchestra, and Wind Ensemble all satisfy the core ensemble requirement. Students should take a mixture of core and small ensembles chosen in consultation with their private lesson instructor. Students must be enrolled in the ensemble in which they perform. Students wishing to substitute their core ensemble must submit an Core Ensemble Substitution form and receive approval from the Music Department to do so. The request form is available from the Music Department Office and should be submitted before the Add/Drop deadline.

Emphasis Options

Five Core Courses MUS 104 Music Theory I, MUS 105 Music Theory II, MUS 204 Music Theory III, MUS 201 Music History I, MUS 202 Music History II. The Music Department faculty strongly recommend that students complete Theory I and II during their first year in the program and that they continue with History I and II and Theory III in the second. All music majors must also pass the Keyboard Proficiency and Performance Skills Exam or complete MUSP 127 and 128 Keyboard Skills I and II. In addition to the five core courses and a demonstration of keyboard proficiency, the following courses are required in each music emphasis option.

Composition MUSP 129 Composition Seminar (minimum 6 semesters), MUS 206 Conducting and Orchestration, MUS 329 20th Century Music, MUS 217 Computer Music, one music elective at the 300-level, Private Composition Lessons (minimum 6) and 402 Senior Project or 401 Senior Recital

In addition, composition majors must enroll in MUSP 129 Composition Seminar each term, which satisfies the requirement for ensemble participation.

Music (General) Three music electives at the 300-level, Private Lessons each term (minimum 6 semesters), Core Ensembles each term (minimum 6 semesters) two semesters of MUSP 129 Composition Seminar, and 401 Senior Recital or 402 Senior Project.

Music History Four Music History electives taken at the 300-level, Core Ensembles (minimum 4 semesters), Private Lessons (minimum 4 semesters), two semesters of MUSP 129 Composition Seminar, and 402 Senior Project.

History electives are determined in consultation with the Musicology coordinator.

Performance Performance audition, MUS 206 Conducting and Orchestration, Private Lessons, 2 credit hours each semester; minimum 6 semesters; Core Ensembles each semester; minimum 6 semesters, 2 semesters of MUSP 129 Composition Seminar, 301 Junior Recital and 401 Senior Recital.

Bluegrass MUS 330 History of American Folk and Country Music, MUS 337 History of Bluegrass Music, MUSP 135 Bluegrass Ensemble each semester, minimum 6 semesters; MUSP 126 Bluegrass Seminar, minimum 4 semesters; MUSP 129 Composition Seminar, two semesters; MUS 301 Junior Recital and MUS 401 Senior Recital, Private Lessons at the 100 level, minimum 6 semesters; Core Ensembles, minimum 6 semesters, Keyboard Proficiency and Performance Skills Exam or MUSP 127 and MUS 128 Keyboard Skills I and II.

Music Minor

Performance Minor Performance Audition, Private Lessons, 2 credit hours each semester, minimum 6 semesters; MUS 104 Music Theory I, MUS 201 Music History I or MUS 202 Music History II; one music elective at the 300-level; Core Ensembles, each semester, minimum 6 semesters; MUS 401 Senior Recital, Keyboard Proficiency and Performance Skills Exams, Performance Juries each term. Performance minors must also perform in the Performance Minor Recital every spring semester up through their senior year.

Admission by audition should be prior to enrollment in Denison. However, entry into the program will be possible up to the end of the first year. The Performance Minor would count toward graduation as an academic minor.

Performance Minors must be enrolled in one-hour, 2 credit hours, lessons for each term they are registered as a Performance Minor. The applied lesson fee will be waived for music performance minors.

Music Minor MUS 104 Music Theory, MUS 201 Music History I or MUS 202 Music History II, Private Lessons, minimum 4 semesters on the same instrument; 2 Music Electives at the 300 Level; Core Ensembles, minimum 4 semesters; Keyboard Proficiency and Performance Skills Exam, Performance Juries each term.

Composition Minor MUS 104 Music Theory I, MUS 105 Music Theory II, MUS 217 Computer Music, MUS 329 20th Century Music; MUSP 129 Composition Seminar, minimum 4 semesters; Private Composition Lessons, minimum 4 semesters; Keyboard Proficiency and Performance Skills Exam; 402 Senior Project.

Bluegrass Minor MUS 104 Music Theory I, MUS 330 History of American Folk and Country Music, MUS 337 History of Bluegrass Music, MUSP 135 Bluegrass Ensemble, minimum 4 semesters; Private Lessons, minimum 4 semesters at the 100 level*** (voice, violin, mandolin, banjo, bluegrass guitar, bass); 2 semesters of MUSP 126 Bluegrass seminar, Keyboard Proficiency and Performance Skills Exam or MUSP 127 and 128 Keyboard Skills I and II. Performance Juries each term. **Violin students pursuing the Bluegrass Minor will replace private lessons with MUSP 145-02, Fiddle Ensemble.

MUS 203 Beethoven's Hero
 206 Conducting and Orchestration
 MUS 215 Popular Musical Theatre in American
 216 Sound Editing and Recording
 217 Computer Music
 224 Advanced Computer Music
 239 The History of Rock Music
 MUS 303 Beethoven's Hero
 314 Music in America
 319 World Music
 320 Women in Music
 325 Music of the Baroque
 326 Classical Era
 328 19th Century Music
 329 20th Century Music
 330 The History of American Folk and Country
 334 History of African American Gospel Music
 MUS 335 Latin American Music History
 337 History of Bluegrass
 339 The History of Rock Music

Course Offerings

Introduction to Music: Classical (MUS-101) This course is an overview of western "art" music from the Middle Ages to present day. Emphasis is placed on the forms and styles of music categorized by historical periods and the composers' social environment. Extensive music listening is incorporated into the curriculum both in class and as assignments. The ability to read musical notation is not required. **4**

Introduction to Music: Jazz (MUS-102) This course will introduce students to the uniquely American art form Jazz, through a study of the musical contributions of its major figures. The course of study will include all styles of jazz, from early jazz (Dixieland) to the music of today. **4**

Introduction to Music: World Music (MUS-103) This course explores different approaches to music-making through the world by examining the ritual and social contexts, compositional techniques, performance styles, instruments, and learning traditions of different musical cultures. The course begins with an overview of musical terminology and ethnomusicological methodologies that can be applied to various types of global music. Subsequently, the course builds on this foundational knowledge by examining various case studies from around the world and comparing them to Western classical and popular traditions. **4**

Music Theory I - Musical Materials (MUS-104) Fundamentals of written musical materials including terminology, tuning systems, notation, intervals, scales, chords, basic diatonic harmony, rhythm, simple forms, aural skills and computer music applications. Prerequisite: Successful completion of Music Theory Fundamentals (MUS 244) or Music Theory Placement exam or consent. **4**

Music Theory II - Harmonic Systems (MUS-105) A survey of approaches to musical harmony including linear systems (counterpoint), vertical systems (common practice tonality, polytonality), mathematical systems (serialism) and jazz systems. Prerequisite: MUS 104. (offered in Spring) **4**

Guitar Class I (MUS-112) Recommended for beginners in guitar. Stresses fundamentals of picking, strumming and note reading. **2**

Guitar Class II (MUS-113) As seen through the eyes of men and women who composed, performed, taught and patronized the instrument, this course surveys the major works for the piano and its precursors, and it explores the important role keyboard instruments had and continue to have in the social fabric of Western society. The course approaches matters of musical style, analysis and performance. It also discusses gender issues and the changing social position of the keyboardist during the past 300 years. No ability at the keyboard is required. **2**

Guitar Class III (MUS-114) The third course in the guitar sequence. Prerequisite: MUS 113 or consent. **2**

Class Voice (MUS-117) An introduction to vocal techniques and pedagogy. **2**

Alexander Technique Workshop (MUS-124) The Alexander Technique is a widely recognized educational method for improving balance, alignment, ease, flexibility and energy. The Technique offers us insight into the underlying principles that govern human movement. When applied, these principles guide us to a dynamic kinesthetic lightness, wherein thinking becomes clearer, feeling accessible, sensations livelier, and movement more pleasurable. Within this fluid, more conscious condition, we find our actions and interactions strengthened and refined, our sense of time expanded, and our rapport with the environment restored. The workshop addresses structural problems treated by performing arts medicine and in addition, neuroscience research which supports evidence of misuse resulting in pain/injury by our own mental process and perceptions of our body's structure. We explore gentle movement and relaxation exercise as well as the application of

Body Mapping to gain clear and accurate information about our anatomical structure for optimal movement. **2**

Alexander Technique (MUS-125) 2

General Topics in Music (MUS-199) A general category used only in the evaluation of transfer credit. **1-4**

Music History I (MUS-201) A historical survey of the evolution of musical style in Western Europe from the Medieval era through the Baroque. Understanding of musical notation is required. **4**

Music History II (MUS-202) A historical survey of the evolution of musical style in Western Europe and the United States from roughly 1750 to the late 20th century. Understanding of musical notation is required. Prerequisite: MUS 104. (Offered in Spring) **4**

Beethoven's Hero (MUS-203) Beethoven's symphonies are among the most famous works in the canon of Western classical music and are revolutionary in their conveyance of musical (and some would argue extra-musical) narrative within the symphonic genre. This class explores the idea of narrative and how it is heard in his music through a focused study of the symphonies and overtures written between 1803-1812. The course approaches this topic through reflective and research writing. **4**

Music Theory III - Methods of Analysis (MUS-204) A survey of approaches to the formal analysis of music including the approaches of Rameau, Schenker, Forte and others. Prerequisite: MUS 105. (Offered in Fall) **4**

Conducting and Orchestration (MUS-206) An introduction to conducting and orchestration. Students will compose, orchestrate and conduct original works of music. Prerequisite: MUS 105. (Offered in Spring) **4**

Music in America (MUS-214) A survey of music-making in America from the colonial period to the present, including early American sacred, patriotic, and political music; musical theatre; and various popular and art music genres of the 19th and 20th centuries, particularly as influenced by the collision between European and African musical traditions. The ability to read musical notation is not required. **4**

Popular Musical Theater in America (MUS-215) This course studies both the antecedents to the American musical (18th century comic opera, blackface minstrels, the revue and vaudeville, and operetta) and the Broadway musical of this century, from Jerome Kern to Stephen Sondheim. **4**

Sound Editing and Recording (MUS-216) A study of audio recording focusing on acoustics, microphone techniques, live and studio recording techniques, editing, signal processing and production. **4**

Computer Music (MUS-217) An introduction to creating music with a computer, focusing on sequencing, sampling and direct synthesis. **4**

Music and Globalization (MUS-219) A consideration of the increasingly complex behavior of music in the modern (or postmodern) world. We will pay particular attention to the function of music: its uses, the ways in which it is part of - and helps to define - daily life for a number of diverse populations in a number of diverse locales, and the ways in which it is transmitted in a global culture. The ability to read musical notation is not required. **4**

Women in Music (MUS-220) Historically, women have played an integral role in musical traditions around the world, although the extent of their contributions has only recently been recognized and studied

Music

in an academic context. This course traces the development and current state of women's roles in music, including Western art music composers, performers, critics, and teachers; performers of popular American genres such as jazz, country, and rock; and performers of popular "World Beat" and traditional world musics. Cross-listed with WGST 220. **4**

Computer Music II (MUS-224) An exploration of advanced topics in computer music including interactive systems, algorithmic composition, granular synthesis, and others. Prerequisite: MUS 217. **4**

Music of the Baroque (MUS-225) In this course, we will look at the development of Western Art music from the end of the Renaissance period through the careers of J.S. Bach and G.F. Handel, covering an approximate period of 1600-1750. Understanding of musical notation is required. **4**

Classical Era: Mozart, Haydn, Beethoven (MUS-226) This course will be devoted to a study of the work of the three principal composers of the classical era: Haydn, Mozart, and Beethoven (early works). We will study the style characteristics, as well as the musical genres and forms employed. Understanding of musical notation is required. **4**

19th Century Music (MUS-228) A study of 19th-century Western art music, focusing on the genres of art song, piano music, symphonic music, chamber music, and opera, from late Beethoven to Debussy. Works will be considered in their historical and cultural context, as well as from the point of view of their musical characteristics. Understanding of musical notation is required. **4**

20th Century Music (MUS-229) In this course, we will look at the development of 20th century music idioms and compositional techniques with their larger political and cultural contexts. We will study individual works by composers as well as overall compositional trends. Understanding of musical notation is required. **4**

The History of American Folk and Country Music (MUS-230) "The History of American Folk and Country Music" is designed to broaden the students' knowledge of America's musical heritage through aural analysis of recorded and live music, as well as study of printed materials. In order to increase the knowledge of America's diverse musical heritage, students will be exposed to the contribution of European immigrants, African Americans, Hispanics, Franco-Americans and Native Americans. **4**

History of Gospel Music (MUS-234) This course will explore the historical development of African-American gospel music in the 20th Century. The course will begin an examination of the pre-gospel era (pre-1900s-ca. 1920), move on to gospel music's beginnings (ca. 1920s), and continue unto the present. The course will explore the musical, sociological, political, and religious influences that contributed to the development of the various gospel music eras and styles. Through class lectures, demonstrations, music listening, reading and writing assignments, students will learn about the significant musical and non-musical contributions of African American gospel artists and the historical development of African American gospel music. Students will also strive to gain an understanding of the African American musical aesthetic and to determine how it is retained and expressed with African American gospel music and other musical genres. The class is open to students, staff, and faculty of all levels. **4**

Music of Latin America (MUS-235) Latin American music is incredibly diverse in its historical musical elements, and in turn, is some of the most influential source material of popular music today. The course will focus on several main regions of development each with a central organizing nation: Cuba and the Caribbean, Mexico and Central America, and Brazil and South America. Along with aural analysis of the music itself, focus will be paid to the unique social construction of the prevailing musical styles for each region. The course will culminate with the development of Latin American music in the United States and its influence on modern popular music. **4**

History of Bluegrass Music (MUS-237) Bluegrass has become one of America's most popular folk musics. The History of Bluegrass Music is a comprehensive course that traces this unique art form from its European and African roots, to the hills of Appalachia and beyond. The ability to read musical notation is not required. **4**

The History of Rock Music (MUS-239) This class explores a diversity of movements within rock music from the 1950s through the present. Central to this class is the music itself. Thus one key focus is on building a working knowledge of the musical language of rock (including elements of melody, harmony, rhythm, texture, form, style). In addition, this is a class in historiography where we will investigate how history is created and contested through primary texts such as musicians' memoirs and journalistic music criticism. Through these readings, we will discuss rock's relationship to its historical, cultural, and social context, paying particular attention to issues of race, class, gender, and sexuality in postwar US culture. The ability to read musical notation is not required. **4**

Special Topics in Music Performance (MUS-241) Special Topics in Music Performance is a course offering that deals with various aspects of performance within music. **1-4**

Special Topics in Music Musicology/Music History (MUS-242) Special Topics in Musicology/Music History is a course offering that deals with music with respects to its history, people, and culture. **4**

Special Topics in Music Composition (MUS-243) Special Topics in Music Composition is a course offering that deals with the creative aspects of music composition. **4**

Special Ensemble in Musicianship Skills (MUS-244) Special Ensemble in Music Theory is a course offering that deals with the musicianship aspects of Music Theory and Aural Skills. **4**

Special Topics in Music Collaboration (MUS-245) Special Topics in Music Collaborations are courses that do not fall within the other designations and are collaborative in nature. They may be courses within the department or in collaboration with other Denison departments. **4**

Intermediate Topics in Music (MUS-299) A general category used only in the evaluation of transfer credit. **1-4**

Junior Recital (MUS-301) The Junior Recital is a 30 to 40 minute solo performance of appropriate concert literature selected in consultation with the private lesson instructor. Must be taken concurrently with Private Lessons. **0**

Beethoven's Hero (MUS-303) Beethoven's symphonies are among the most famous works in the canon of Western classical music and are revolutionary in their conveyance of musical (and some would argue extra-musical) narrative within the symphonic genre. This class explores the idea of narrative and how it is heard in his music through a focused study of the symphonies and overtures written between 1803-1812. The course approaches this topic through reflective and research writing. **4**

Music in America (Majors/Minors) (MUS-314) A survey of music-making in America from the colonial period to the present, including early American sacred, patriotic, and political music; musical theatre; and various popular and art music genres of the 19th and 20th centuries, particularly as influenced by the collision between European and African musical traditions. The ability to read musical notation is not required. **4**

Music and Globalization (Majors/Minors) (MUS-319) A consideration of the increasingly complex behavior of music in the modern (or postmodern) world. We will pay particular attention to the function of music: its uses, the ways in which it is part of - and helps to define - daily life for a number of diverse popu-

lations in a number of diverse locales, and the ways in which it is transmitted in a global culture. The ability to read musical notation is not required. **4**

Women in Music (Majors/Minors) (MUS-320) Historically, women have played an integral role in musical traditions around the world, although the extent of their contributions has only recently been recognized and studied in an academic context. This course will trace the development and current state of women's roles in music, including Western art music composers, performers, critics, and teachers; performers of popular American genres such as jazz, country, and rock; and performers of popular "World Beat" and traditional world musics. **4**

Classical Era: Mozart, Haydn, Beethoven (Majors/Minors) (MUS-326) This course will be devoted to a study of the work of the three principal composers of the classical era: Haydn, Mozart and Beethoven (early works). We will study the style characteristics, as well as the musical genres and forms employed. Understanding of musical notation is required. **4**

19th Century Music (Majors/Minors) (MUS-328) A study of 19th-century Western art music, focusing on the genres of art song, piano music, symphonic music, chamber music, and opera, from late Beethoven to Debussy. Works will be considered in their historical and cultural context, as well as from the point of view of their musical characteristics. Understanding of musical notation is required. **4**

20th Century Music (Majors/Minors) (MUS-329) In this course, we will look at the development of 20th century music idioms and compositional techniques with their larger political and cultural contexts. We will study individual works by composers as well as overall composition trends. Understand of musical notation is required. **4**

The History of American Folk and Country Music (Majors/Minors) (MUS-330) "The History of American Folk and Country Music" is designed to broaden the students' knowledge of America's musical heritage through aural analysis of recorded and live music, as well as study of printed materials. In order to increase the knowledge of America's diverse musical heritage, students will be exposed to the contribution of European immigrants, African Americans, Hispanics, Franco-American and Native Americans. **4**

Film Music and Sound (MUS-331) This course will explore the use of music and sound in Western cinema, from the Classical Hollywood era of the 1940s to the present. Careful attention will be given to developing analysis, research, and writing skills. Students will be expected to complete several original analyses of scenes, culminating in an original research paper analyzing a film or films of the student's choice. Weekly readings and viewings will be required. **4**

Music and Sexuality (MUS-332) Considers the impact of a composer's or other musical artist's gender and sexual orientation on his or her creative output by addressing questions such as: Is there such a thing as a queer aesthetic or sensibility in music? What, if anything, do gender or sexual orientation have to do with musicality? Do the gender or sexual orientation of a composer or musical artist matter to listeners? What impact does a musical artist's gender or sexual orientation have on his or her ability to get his or her music performed? And how have the answers to these questions changed over time? **4**

History of African American Gospel Music (Majors/Minors) (MUS-334) This course will explore the historical development of African-American gospel music in the 20th Century. The course will begin an examination of the pre-gospel era (pre-1900's-ca 1920), move on to gospel music's beginnings (ca. 1920's), and continue onto the present. The course will explore the musical sociological, political and religious influences that contributed to the development of the various gospel music eras and styles. Through class lectures, demonstrations, music listening, reading and writing assignments, students will learn about the significant musical and non-musical contributions of African American gospel artists and the historical development of

African American gospel music. Students will also strive to gain an understanding of the African American musical aesthetic and to determine how it is retained and expressed with African American gospel music and other musical genres. The class is open to students, staff and faculty of all levels. **4**

Latin American Music History (MUS-335) Latin American music is incredibly diverse in its historical components, and in turn, is some of the most influential source material of popular music today. The course focuses on several main regions of development each with specific countries of influence: Cuba, Puerto Rico, Dominican Republic and the Caribbean; Mexico and North/Central America; and Brazil and South America. Along with aural analysis of the music itself, the course analyzes the unique social construction of the prevailing musical styles for each region. The themes of cultural interaction and collision along with (often forced) population shifts provide a uniting current across the vast geography of study and provide organizing through-line across the region. If time permits, the course will culminate with the development of Latin American music in the United States and its influence on modern popular music. **4**

History of Bluegrass Music (Majors/Minors) (MUS-337) Bluegrass has become one of America's most popular folk musics. The History of Bluegrass Music is a comprehensive course that traces this unique art form from its European and African roots, to the hills of Appalachia and beyond. The ability to read musical notation is not required. **4**

The History of Rock Music (Majors/Minors) (MUS-339) This class explores a diversity of movements within rock music from the 1950s through the present. Central to this class is the music itself. Thus one key focus is on building a working knowledge of the musical language of rock (including elements of melody, harmony, rhythm, texture, form, style). In addition, this is a class in historiography where we will investigate how history is created and contested through primary texts such as musicians' memoirs and journalistic music criticism. Through these readings, we will discuss rock's relationship to its historical, cultural, and social context, paying particular attention to issues of race, class, gender, and sexuality in postwar US culture. The ability to read musical notation is not required. **4**

Special Topics in Music Performance (MUS-341) Special Topics in Music Performance is a course offering that deals with various aspects of performance within music. **4**

Special Topics in Musicology/Music History (MUS-342) Special Topics in Musicology/Music History is a course offering that deals with music with respects to its history, people, and culture. **4**

Special Topics in Music Composition (MUS-343) Special Topics in Music Composition is a course offering that deals with the creative aspects of music composition. **4**

Special Topics in Musicianship Skills (MUS-344) Special Ensemble in Music Theory is a course offering that deals with the musicianship aspects of Music Theory and Aural Skills. **4**

Special Topics in Music Collaboration (MUS-345) Special Topics in Music Collaborations are courses that do not fall within the other designations and are collaborative in nature. They may be courses within the department or in collaboration with other Denison departments. **4**

Directed Study (MUS-361) **1-4**

Directed Study (MUS-362) **1-4**

Independent Study (MUS-363) **1-4**

Independent Study (MUS-364) **1-4**

Music

Advanced Topics in Music (MUS-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Recital (MUS-401) The Senior Recital is a 50 to 60 minute solo performance of appropriate concert literature selected in consultation with the private lesson instructor. Must be taken concurrently with Private Lessons. **0**

Senior Project (MUS-402) The Senior Project is a composition or research project in the emphasis of the music major (composition, computer music or music history) to be selected and completed in consultation with the appropriate area instructor. **1-4**

Senior Research (MUS-451) **4**

Senior Research (MUS-452) **4**

Applied Music and Performance Courses

Piano Class I (MUSP-111) Offered for beginning piano students, the piano class will focus on fundamental piano technique and score reading, as well as the playing of lead sheets. Students will work on individual electronic pianos, both solo and in groups. **2**

Gospel Piano (MUSP-115) **1**

Class Woodwinds (MUSP-118) **1**

Class Brass (MUSP-119) **1**

Jazz Improvisation (MUSP-120) **1**

Private Lesson (Alexander Technique) (MUSP-125) **1**

Bluegrass Seminar (MUSP-126) Bluegrass Seminar is a required course for students seeking a Bachelor of Arts degree in music with an emphasis in bluegrass. Students will develop skills in rhythm, timing, part-singing, transcription, and improvisation in a workshop setting. **1**

Keyboard Skills I (MUSP-127) A sequence for the music major, minor, and performance certificate student to fulfill the keyboard proficiency in the Department of Music. Other students may enroll with the permission of the instructor. (Offered in Fall) **2**

Keyboard Skills II (MUSP-128) A sequence for the music major, minor, and performance certificate student to fulfill the keyboard proficiency in the Department of Music. Other students may enroll with permission of the instructor. (Offered Spring) **2**

Composition Seminar (MUSP-129) A seminar approach to musical composition focusing on individual composition projects, compositional processes, forms, aesthetics and criticism. May be repeated for credit. **1**

Orchestra (Ensemble) (MUSP-130) **1**

Concert Choir(Ensemble) (MUSP-131) **1**

Singers' Theatre Workshop (Ensemble) (MUSP-132) **1**

Gospel Choir (Ensemble) (MUSP-133) **1**

Jazz Ensemble (MUSP-134) 1

Bluegrass Ensemble (MUSP-135) 1

Chamber Singers (Ensemble) (MUSP-136) 1

Women's Choir (Ensemble) (MUSP-137) 1

Gamelan Ensemble (MUSP-138) 1

Gospel Ensemble (MUSP-139) 1

Jazz Combo (MUSP-140) 1

Woodwind Ensembles (MUSP-141) A method course designed to meet the professional needs for teaching woodwind instruments. Pedagogical and performance skills will be developed through laboratory and observational experiences. Includes Flute Ensemble, Oboe Ensemble, Clarinet Ensemble, Bassoon Ensemble, Woodwind Chamber Music, and Saxophone Chamber Music. **1**

Brass Ensembles (MUSP-142) Includes Trumpet Ensemble, French Horn Ensemble, and Brass Ensemble. **1**

Latin Jazz Percussion (Ensemble) (MUSP-143) 1

Piano Chamber Music (MUSP-144) 1

Class Strings Ensemble (MUSP-145) An introduction to string techniques and pedagogy. **1**

Guitar Ensemble (MUSP-146) 1

String Chamber Music (MUSP-147) 1

Class Percussion Ensemble (MUSP-148) An introduction to percussion techniques and pedagogy. **1**

Chamber Percussion Ensemble (MUSP-149) A small chamber ensemble dedicated to performance of percussion literature. Meets weekly TBA, with a performance each term. **1**

Wind Ensemble (MUSP-150) 1

Private Lesson (Violin) (MUSP-151) 1

Private Lesson (Viola) (MUSP-152) 1

Private Lesson (Cello) (MUSP-153) 1

Private Lesson (Guitar) (MUSP-154) 1

Private Lesson (String Bass) (MUSP-155) 1

Private Lesson (Electric Bass) (MUSP-156) 1

Private Lesson (Harp) (MUSP-157) 1

Private Lesson (Bluegrass Guitar) (MUSP-158) 1

Music

Jazz Improvisation (MUSP-160) This class covers the basics of jazz improvisation and will include the study of modal forms and chord/scale applications, ii-VII-I progression (in the framework of standard jazz compositions) and a transcription project. **2**

Private Lesson (Clarinet) (MUSP-161) **1**

Private Lesson (Flute) (MUSP-162) **1**

Private Lesson (Oboe) (MUSP-163) **1**

Private Lesson (Bassoon) (MUSP-164) **1**

Private Lesson (Saxophone) (MUSP-165) **1**

Private Lesson (Trombone) (MUSP-171) **1**

Private Lesson (French Horn) (MUSP-172) **1**

Private Lesson (Trumpet) (MUSP-173) **1**

Private Lesson (Euphonium) (MUSP-174) **1**

Private Lesson (Tuba) (MUSP-175) **1**

Private Lesson (Piano) (MUSP-181) **1**

Private Lesson (Jazz Piano) (MUSP-182) **1**

Private Lesson (Gospel Piano) (MUSP-183) **1**

Private Lesson (Percussion) (MUSP-190) **1**

Private Lesson (Voice) (MUSP-195) **1**

Private Lesson (Composition) (MUSP-197) **1**

Private Lesson (Alexander Technique) (MUSP-225) **2**

Special Ensemble in Music Performance (MUSP-241) Special Ensemble in Music Performance is a course offering that deals with various aspects of performance within music. **1**

Special Ensemble in Music Composition (MUSP-243) Special Ensemble in Music Composition is a course offering that deals with the creative aspects of music composition. **1-4**

Special Ensemble in Musicianship Skills (MUSP-244) Special Ensemble in Music Theory is a course offering that deals with the musicianship aspects of Music Theory and Aural Skills. **1-4**

Special Ensemble in Music Collaboration (MUSP-245) Special Ensemble in Music Collaborations are courses that do not fall within the other designations in nature. They may be courses within the department or in collaboration with other Denison departments. **1-4**

Private Lesson (Violin) (MUSP-251) **2**

Private Lesson (Viola) (MUSP-252) **2**

Private Lesson (Cello) (MUSP-253) 2

Private Lesson (Guitar) (MUSP-254) 2

Private Lesson (String Bass) (MUSP-255) 2

Private Lesson (Electric Bass) (MUSP-256) 2

Private Lesson (Harp) (MUSP-257) 2

Private Lesson (Bluegrass Guitar) (MUSP-258) 2

Private Lesson (Clarinet) (MUSP-261) 2

Private Lesson (Flute) (MUSP-262) 2

Private Lesson (Oboe) (MUSP-263) 2

Private Lesson (Bassoon) (MUSP-264) 2

Private Lesson (Saxophone) (MUSP-265) 2

Private Lesson (Trombone) (MUSP-271) 2

Private Lesson (French Horn) (MUSP-272) 2

Private Lesson (Trumpet) (MUSP-273) 2

Private Lesson (Euphonium) (MUSP-274) 2

Private Lesson (Tuba) (MUSP-275) 2

Private Lesson (Piano) (MUSP-281) 2

Private Lesson (Jazz Piano) (MUSP-282) 2

Private Lesson (Gospel Piano) (MUSP-283) 2

Private Lesson (Percussion) (MUSP-290) 2

Private Lesson (Voice) (MUSP-295) 2

Private Lesson (Composition) (MUSP-297) 2

Special Ensemble in Music Performance (MUSP-341) Special Ensemble in Music Performance is a course offering that deals with various aspects of performance within music. **1-4**

Special Ensemble in Music Composition (MUSP-343) Special Ensemble in Music Composition is a course offering that deals with the creative aspects of music composition. **1-4**

Narrative Nonfiction Writing (concentration only)

Special Ensemble in Musicianship Skills (MUSP-344) Special Ensemble in Music Theory is a course offering that deals with the musicianship aspects of Music Theory and Aural Skills. **1-4**

Special Ensemble in Music Collaboration (MUSP-345) Special Ensemble in Music Collaborations are courses that do not fall within the other designations and are collaborative in nature. They may be courses within the department or in collaboration with other Denison departments. **1-4**

Narrative Nonfiction Writing (concentration only)

Faculty

Jack Shuler, Chair

Ron Abram, Michael Croley, Peter Grandbois, Erik Klemetti, Margot Singer, James Weaver

Narrative Nonfiction Writing Concentration

The concentration in Narrative Nonfiction Writing—prose that combines literary attention to storytelling with sound, fact-based research, offers students from all majors a structured opportunity to gain writing experience and exposure to potential career paths in this exciting field. This concentration will prepare students to write for a wide readership across a variety of media platforms. It is firmly grounded in the liberal arts, bringing together existing courses in narrative writing and research methods, independent semester and/or summer research projects, and real world experiences, including internships and campus writing opportunities. The concentration supplements existing courses in expository and creative writing to help students from a wide range of majors integrate their academic coursework with their extracurricular and work experiences. It aims to provide the structure and faculty mentorship that will help students make those connections in a thoughtful and intentional way.

Core Course Requirements Required courses for the completion of the concentration are:

- ENGL-221: Literary Nonfiction
- ENGL-237: Introduction to Creative Writing
- ENGL-384: Creative Nonfiction
- One to three approved electives
- At least one summer or semester-long directed research or internship
- Group colloquia
- At least one semester of senior research

Electives Elective courses shall be approved by the Narrative Nonfiction Writing Committee. Elective courses must provide either substantial narrative writing experience in a variety of forms or exposure to key disciplinary research methods.

Courses that are not explicitly designated as electives may be counted toward the concentration on a case-by-case basis with permission of the Narrative Nonfiction Writing Concentration Committee. Elective courses that are restricted to departmental majors will not be open to non-major narrative nonfiction writing concentrators without instructor permission.

English majors must take at least three non-English course electives and English minors must take at least two non-English course electives. Non-English majors must take at least one elective.

2017-2018 elective courses include the following:

- ARTS-222: Contemporary Comics
- ANSO-350: Field Research Methods
- ANSO-351: Survey Research Methods
- CINE-104: Film Aesthetics and Analysis
- CINE-328: Screenwriting
- COMM-108: Introduction to Writing for Print and Online
- COMM-350: Advanced Journalism
- ENGL-310: Get off the Hill
- ENGL-383: Fiction Writing
- ENVS-236: Political Ecology
- ENVS-334: Sustainable Agriculture
- HIST-300R: History Research Seminars
- POSC-201: Analyzing Politics
- THTR-291: Playwriting: Form, Structure, Narrative

Summer or Semester-long Research or Internship Experience NNW concentrators must complete an on- or off-campus internship that engages with narrative nonfiction writing. For example, concentrators may pursue internships with University Communications, Denison Magazine, a local news organization, or a media-oriented nonprofit organization. Alternatively, concentrators may undertake a summer research project focused on producing a significant work of narrative nonfiction. If summer projects or internships are not feasible, concentrators may undertake semester-long directed research and/or internships instead.

All internships and research projects must be approved by the Narrative Nonfiction Writing Concentration Committee. Students requiring funding support from Denison for internships must demonstrate need, submit competitive proposal requests, and meet Career Exploration standards for ensuring high quality internships or alternative field experiences.

Colloquia Once or twice per semester, the narrative nonfiction writing concentration will sponsor colloquia designed to explore the professional world of narrative nonfiction writing. These sessions will focus on a variety of topics, such as: journalistic ethics, types of narrative nonfiction publications, writing careers and internships, how to develop a portfolio, how to build a social media platform, the role of editors and agents, etc. There will also be opportunities to meet with recent graduates, attend talks and readings given by professional writers, and go on field trips. Colloquia are mandatory for seniors (and optional for all other students) in the concentration.

Senior Research Students participating in the narrative nonfiction writing concentration must complete at least one semester of senior research. Research may be conducted in any relevant department, depending on the project.

Alternatively, an independent study undertaken during the senior year may replace senior research in cases where departmental senior research requirements preclude significant work in narrative nonfiction writing.

English majors with a creative writing emphasis must complete the required yearlong senior creative writing project with at least one semester devoted to nonfiction.

Advising All concentrators will have a designated advisor chosen from the members of the Narrative Nonfiction Writing Committee.

Neuroscience (concentration only)

Faculty

Heather Rhodes (Biology), Neuroscience Coordinator

Faculty: Seth Chin-Parker (Psychology), Barbara Fultner (Philosophy), Jessen Havill (Computer Science), Susan Kennedy (Psychology), Eric Liebl (Biology), Nestor Matthews (Psychology), Heather Rhodes (Biology)

Department Guidelines and Goals

Neuroscience is the interdisciplinary study of the brain and nervous system, with a scope that ranges from molecules and cells to behavior, cognition, and emotion. Denison's Neuroscience Concentration achieves this interdisciplinary perspective via courses in Biology, Computational Science, Philosophy, and Psychology. These courses are intended to complement the student's major. Students who want to pursue the Neuroscience Concentration are required to have either a primary or secondary academic advisor who is a member of the Neuroscience Faculty.

Neuroscience Concentration

Neuroscience Concentration requires students to complete the ten 4-credit courses listed below, and the zero-credit Neuroscience Assessment (NEUR 401).

Four Foundational Courses May be taken in any order, beginning as early as the first semester at Denison. Foundational courses in Biology and Psychology serve as prerequisites for the 200 and 300-level Biology and Psychology courses required of Neuroscience concentrators.

- **BIOL 210** : Molecular Biology and Unicellular Life (prerequisite for BIOL 220)
- **CS 111** : Discovering Computer Science: Scientific Data and Dynamics (can be substituted with CS 109, CS 110, or CS 112)
- **PHIL 210** : Philosophical Issues in Science *OR* PHIL 280: Philosophy of Mind *OR* Bioethics
- **PSYC 100** : Introduction to Psychology (prerequisite for PSYC 200)

Two Intermediate Courses in Biology and Psychology These courses have prerequisites and are, in turn, prerequisites for the advanced courses.

- **BIOL 220** : Multicellular Life (prerequisite for BIOL 334 and 349)
- **PSYC 200** : Research Methods and Statistics in Psychology (prerequisite for PSYC 351 and prerequisite for any of the following: PSYC 311, PSYC 331, PSYC 341)

Three Advanced Courses in Biology and Psychology These courses may be taken in any order, except that PSYC 350 and 351 must be taken concurrently.

- **BIOL 349** : Introduction to Neurophysiology *OR* BIOL 334: Comparative Physiology: Human and Non-Human Animals
- **PSYC 350** : Biological Psychology
- **PSYC 351** : Research in Biological Psychology (Psyc 351 can be substituted with one of the following 300 level psychology research *pairings* : PSYC 310 & 311 *OR* PSYC 330 & 331 *OR* PSYC 340 & 341. However, this option increases the number of required advanced courses from three to four, which increases the total number of required four credit courses from ten to eleven.)

Neuroscience Senior Capstone Seminar This course must be taken in the spring of the senior year. The seven prerequisites for NEUR 412 include all foundational and intermediate courses as well as PSYC 350.

- **NEUR 412** : Neuroscience Senior Capstone Seminar

Neuroscience Assessment Satisfactory completion of NEUR 401 is required of all senior Neuroscience concentrators during the final weeks of NEUR 412. NEUR 401 is a zero credit course.

- **NEUR 401** : Neuroscience Assessment

Course Offerings

Introductory Topics in Neuroscience (NEUR-299) A general category used only the evaluation of transfer credit. **1-4**

Directed Study (NEUR-361) **1-4**

Directed Study (NEUR-362) **1-4**

Independent Study (NEUR-363) **1-4**

Independent Study (NEUR-364) **1-4**

Neuroscience Assessment (NEUR-401) Satisfactory completion of NEUR 401 is required of all senior neuroscience concentrators. NEUR 401 is a zero credit course. **0**

Neuroscience Senior Capstone Seminar (NEUR-412) Neuroscience Senior Capstone Seminar – This course is the culminating experience for the Neuroscience concentration, taken in the spring of the senior year. Topical areas may vary but typically include perspectives from cellular & molecular neuroscience, neural systems & circuits, neural development / plasticity / repair, behavioral & cognitive neuroscience, and the neurobiology of disease. Students will read and critically evaluate primary neuroscience literature, and develop oral and writing skills for communicating neuroscience research to different audiences. Students will also integrate knowledge and skills from prerequisite courses in Biology, Computational Science, Philosophy, Psychology, and the college's General Education curriculum. Prerequisite: BIOL 210 and 220, PSYC 100, 200, and 350, PHIL 210 or 280 or Bioethics, and CS 111 (students may substitute CS 109, 110, or 112 for CS 111). **4**

Special Advanced Topics in Neuroscience (NEUR-450) This course provides a venue in which to explore chosen topics in neuroscience at the advanced level. Topics vary according to the interests of students and faculty. **1-4**

Advanced Topics in Neuroscience (NEUR-499) A general category used only in the evaluation of transfer credit. **1-4**

Off-Campus Study

Staff

Sue Davis, Director

Prabhjot Virk, Assistant Director

Sandy Spence, Program Coordinator

Mission Statement

Learning through global experiences is integral to a Denison education. We provide individualized mentoring to help students craft their education and take advantage of learning opportunities on campus and abroad that foster global competencies essential in today's workforce. With more than 180 Denison-accepted off-campus study programs to choose from, students have many opportunities to do such things as: realize the full potential of their education, hone a language fluency, develop workplace skills and maximize multicultural understanding.

Upon their return to campus, Denison students have many opportunities to apply and extend their off-campus learning through independent research, internships, interacting with visiting global scholars, and attending classes that connect students to international educators and peers around the world. Denison Seminars, courses with a significant off-campus travel component, are yet another way students can develop global competencies. Students who find it hard to set aside a full semester for off-campus study often utilize the summer term to participate in short-term faculty-led seminars, research, internships, and programs that stem from Denison's sister colleges in places like Paris and Ghana. Denison is also a member of the Global Liberal Arts Alliance with ties to colleges in seven countries. There are countless ways for students to build on their multicultural expertise, right here on the Hill.

Selecting an Appropriate Off-Campus Study Program

Students interested in exploring off-campus study attend a Study Abroad 101 session led by students and then schedule an appointment with OCS. These appointments are available starting in April and continue through Thanksgiving Break. This allows students ample time to formulate appropriate learning outcomes for an off-campus study experience, to explore a range of options among the Denison-accepted programs, and to carefully consider issues such as timing of participation and integration with degree requirements.

Denison maintains a list of accepted off-campus programs that address the pedagogical and curricular concerns, as well as the academic standards, associated with a Denison liberal arts education. Because the list of accepted programs is subject to ongoing evaluation and adjustment, it is not printed in the catalog. The current list can be found at <http://denison.edu/academics/off-campus/accepted-programs>. Students who withdraw to attend a program without Denison's approval are not eligible to receive transfer credit.

Campus visits by liaisons from the program providers who offer the accepted programs, as well as individual discussions with returned students and faculty members with relevant expertise, also provide an excellent opportunity to learn more about specific program opportunities.

Seeking Approval for Off-Campus Study

Second semester sophomores with a well-articulated academic trajectory, juniors, and first semester seniors are eligible to participate in off-campus study. First semester seniors, however, must also petition to have the senior residency requirements waived in order to receive final OCS approval. Students normally seek

approval for one semester and/or a summer of off-campus study during their Denison career, though approval for an academic year of off-campus study is also possible. (Note that institutional financial aid may be applied to a maximum of one semester of study – see Financing Off-Campus Study.)

To pursue off-campus study for academic credit, students must first obtain Denison approval for such study and then apply for admission by the program provider. Denison approval is granted through the OCS Proposal process. The student is then responsible for completing an application with the program provider. OCS completes the student's application dossier by providing the institutional approval required by the program's application.

Denison approval is granted only if the student is adequately prepared both academically and personally for the proposed off-campus program. The Denison evaluation criteria are as follows:

1. The proposed off-campus study program represents a well-defined continuation of the curricular and pedagogical goals of a Denison liberal arts education and the individual student's academic program.
2. The student's academic record, as evaluated by Denison, demonstrates clear evidence of curricular preparation and academic achievement appropriate to the proposed off-campus study program and the specific learning goals associated with the student's proposal.
3. The student must meet the following minimum eligibility requirements:

Enrollment

- A student must complete a minimum of forty-eight credits prior to participation in an off-campus program. Transfer students must complete one year of study at Denison prior to participation in an off-campus program. These residency requirements do not apply to summer study.
- A student must be enrolled at Denison in the semester preceding off-campus study participation. A student who applies institutional aid to a program must also enroll at Denison the semester following the program. Failure to do so will result in the student being charged for the institutional aid that was awarded for off-campus study.

Academic Standing

- A student must be in good academic standing in the semester preceding participation on a program. However, Denison also reserves the right to withdraw approval if there is a problematic shift in a student's academic performance before the start of a program, even if a student is technically in good standing.

Disciplinary Standing

- A student whose disciplinary probation ends during the first two weeks of classes at Denison for the semester during which she/he will be studying off-campus is eligible to pursue off-campus study. A student whose disciplinary probation extends beyond that date is not eligible to pursue off-campus study until the following semester. A student with two or more adjudicated offenses on her/his disciplinary record is not eligible to pursue off-campus study. Denison also reserves the right to withhold approval for any student who has a documented history of behavioral issues deemed inappropriate for off-campus study regardless of the number of adjudicated offenses on her/his disciplinary record.

Off-Campus Study

- A student whose proposal is evaluated and approved while on disciplinary probation must address two special requirements. In such cases, the student is required to provide a statement addressed to the program provider that explains the nature of the infraction and how it should bear on the provider's admission deliberations. The student must also grant the program provider access to the information contained in the Denison disciplinary records. If a student receives conditional approval and an additional disciplinary offense is adjudicated before participation in the off-campus study program, the approval will be withdrawn.

Denison strives to accommodate the off-campus study proposals of all appropriately qualified students. There are, however, two related points that have an impact on this policy. First, Denison has established a limit of ten participants per medium-sized group program and five participants per small group program in order to facilitate optimal integration into the range of experiential learning contexts and communities associated with off-campus study.

Second, to facilitate the sustainable management of Denison's on-campus housing resources, slots for off-campus study in the fall semester are awarded on a first come, first served policy based on the date of the student's required OCS appointment and the completion of the required forms for Step One of the OCS Proposal Process. There are four exceptions to this policy:

- the student is proposing a program that is offered only during the fall semester;
- the student will be studying abroad during the senior year;
- the student has a conflict with a specific course offering in their major program, as documented by Academic Planning Form and confirmed by the appropriate department chair;
- the student is on the team roster for a spring semester sport, as confirmed by the appropriate coach.

If studying off-campus in the fall semester is not covered by one of these exceptions but is personally important, the student should schedule the required appointment to start the OCS Proposal process in April or at the very beginning of fall semester, and then work diligently to complete the planning meetings and forms required for that appointment.

Financing Off-Campus Study

To determine whether a given program is affordable, students should make certain to consider out-of-pocket expenses as well as the invoiced program fees. A comprehensive cost estimate for any given program on the Denison accepted list is available from the program provider.

To promote off-campus study, Denison does not require students to pay tuition or room/board fees during their term off-campus. Denison presently charges an administrative fee of \$275 for a summer program, \$870 for a semester program, and \$970 for an academic year of study with a single program provider to cover the administrative support associated with off-campus study.

It is important to note that institutional aid, excepting the Great Opportunity (GO) program, and the OCS Grant program, do not apply to summer study. In general, there are fewer financial aid resources for summer study, so students with financial need are urged to consider semester study whenever possible.

Denison students may pursue one semester of off-campus study with institutional aid eligibility if the Free Application for Federal Student Aid (FAFSA) is submitted by March 28 and that the required verification of tax data to the Denison Financial Aid Office is provided by April 15. While Denison does not provide institutional merit-based aid for off-campus study, institutional need-based aid is available for eligible students.

A student's eligibility is based on the estimated cost of participation for the proposed off-campus study program and the estimated family contribution from the FAFSA. Federal grants, State grants, and Federal loans, as

well as any other external sources of aid, are the initial sources for meeting financial need for eligible students. If a student's need is not fully met by those funding sources, Denison grant funding is available to assist in meeting a portion of the remaining need. For students with unmet need after the Denison financial packaging process, OCS works with program providers to award additional grants to help bridge this gap.

Denison Seminars Denison Seminars are interdisciplinary courses offered for sophomores and juniors, many of which have a travel component. For Denison Seminars, offered in the fall and spring, students pay a fee of \$800 for a course with a travel component outside of North America and \$500 for a course with travel within North America while Denison pays the rest of the travel expenses. Denison Summer Seminars are paid for by the student participants and costs vary depending upon destination. Every effort is made to make Denison Seminars and other faculty-led opportunities affordable for every student. Institutional need-based aid is available and awarded according to data collected from the FAFSA.

Special Academic Regulations for Off-Campus Study

Denison requires that students participate fully and responsibly in all academic aspects of the proposed off-campus study program, including required language and area studies courses. Failure to do so will result in a grade of U (Unsatisfactory) for the off-campus study placeholder course listed on the Denison academic record for the term abroad.

Students are enrolled for a holding-place registration of 12 credits for each term of off-campus study in order to report full-time study to the Federal Clearinghouse to facilitate the portability of financial aid and/or to use of 529 college funds. Students are therefore required to enroll for at least 12 transferable U.S. semester credits for each semester of off-campus study, but may choose to enroll for up to 20 U.S. semester credits per semester. Students are limited to one course on an S/U grade base per semester. The arrangements for such a choice must be made with the program provider at the time of final registration.

To receive transfer credit for an off-campus study experience, students must work with the Registrar's Office to pursue pre-approval for their courses through the OCS course approval process. The University is under no obligation to transfer coursework or apply transferred coursework toward specific degree requirements unless that coursework has been approved in advance.

In general terms, students wishing to apply a course toward a major, minor, or concentration requirements must receive approval directly from the relevant department/program. Other coursework will be assessed for its relevance to the Denison curriculum through the combined efforts of the Registrar, OCS, and, as necessary, specific departments/programs.

All courses reported on the program provider's transcript are posted to the Denison academic record with course titles, credits, and grades. This includes any course for which a student receives a failing grade, even though credit will not be awarded. While the grades for off-campus study coursework are not factored into the Denison cumulative grade point average, it is important to note that they could be factored into a composite grade point average should a student pursue graduate or professional school after graduating from Denison.

Educational Enrichment Leave of Absence

Students may apply for an Educational Enrichment Leave of Absence (EEL) to pursue experiential learning opportunities that are not credit bearing or structured educational opportunities whose coursework is not applicable to a Denison Baccalaureate degree. Examples of structured educational opportunities whose coursework is not applicable include the National Outdoor Leadership School (NOLS), Outward Bound, Semester at Sea, specialized technical or training programs, religious education, or culinary institutes.

Off-Campus Study

Students wishing to pursue an EEL are required to meet with and, ultimately, to submit a written rationale to OCS. The rationale must articulate a clear connection between the student's broader educational goals and the proposed enrichment program. A student may opt to pursue study at a local institution as an adjunct activity as part of an EEL. However, this coursework may not exceed eight credits and must be approved in advance through the normal transfer credit evaluation process.

During an EEL, the student retains her/his Denison enrollment deposit and information systems privileges. However, the student is considered withdrawn from Denison during this period of leave for purposes of financial aid and loan deferment. EEL's are usually for one semester, but may extend to an academic year. See the Student Handbook for specific details regarding the processes for registration, housing, and financial aid following a leave. If a student does not enroll at Denison following the EEL, the leave reverts to a Withdrawal and the enrollment deposit is forfeited.

Health Insurance Coverage

Denison carries EIIA Insurance for all members of our community. Students participating in an international off-campus program are covered for emergency medical, evacuation, and repatriation insurance according to the stipulations of our policies (available upon request). For ongoing and chronic problems or standard (non-emergency) health care, students should rely on their domestic health insurance coverage. Many program providers include the purchase of either regular or emergency coverage in the program fee, but it is important to make certain that this is the case and, if so, that it is adequate to a student's particular healthcare needs. Denison also recommends that at least one parent/guardian obtain a passport so that travel will not be unduly delayed in the case of a student medical or personal emergency abroad.

Health Advisories, Travel Advisories, and Travel Warnings

Denison strongly recommends that all students avail themselves of the travel information available at the U.S. State Department (<http://travel.state.gov/>), Centers for Disease Control (<http://wwwnc.cdc.gov/travel/>), and World Health Organization (<http://www.who.int/en/>) web sites. In particular, students should carefully consider the safety information included in State Department travel advisories for the country/countries in which they are pursuing off-campus study and/or for any other country to which they plan to travel during their time abroad.

Denison reserves the right to withdraw its approval for study through an off-campus program if a State Department travel warning or a CDC or WHO travel advisory is in place for the program location at the start of the program. Withdrawal of approval for an off-campus study program bars a student from receiving Denison credit for the program and from applying financial aid to the program costs. To make certain that a student can make an informed decision regarding participation on a program, the issue of potential loss of Denison approval for an accepted program will be brought to the student's attention as far in advance of the program start date as is feasible.

In the case of a State Department travel warning or a CDC or WHO travel advisory arising after a program has started, Denison will work closely with the educational partner and other informed parties to determine an appropriate course of action. Should a student be required to return home, Denison will pursue reasonable steps with the program provider to mitigate the financial and academic impact of such an action.

Organizational Studies

Faculty

Associate Professor of Psychology David P. J. Przybyla, Director

Program Guidelines and Goals

The Organizational Studies program is multidisciplinary in intent and grounded in the liberal arts. Developing a theoretical base for organizational participation and leadership requires moving beyond a single area of specialization. Through a multidisciplinary approach, students will begin to develop; 1) an understanding of the human condition as it is experienced in organizational life; 2) an understanding of the complex nature of systems and institutions, and; 3) the capacity for analysis that moves beyond simplistic solutions to explore the interplay of values, responsibility, and the achievement of social goals. The goals of this theoretical base are to be supplemented by, and integrally related to, both a significant internship experience in an appropriate organization and the mastering of specific skills not available in the regular curriculum.

Organizational Studies Certificate

General Requirements for the Certificate In order to fulfill the requirements for certification in Organizational Studies, a student must accomplish the following:

- complete three core courses: one from each each of the *two major content areas* and a third from either content area (some courses are listed below)
- complete Organizational Psychology (PSYC 230), which is offered each spring semester
- participate successfully in a month-long *summer session*.
- complete an appropriate *internship* following the *summer session*
- write an *integrative paper* upon completion of the internship

In order to further integration and thoughtful choices, the program director shall advise and have final authority over each student's particular program selections. Course selections are to be made from the approved list. Exceptions are by petition only. Petitions must include a complete course syllabus and a detailed rationale for the exception.

Core Courses The three courses -- one from Area A, one from Area B, and an additional one from either area -- *must be taken from at least two different departments. A Directed Study or Senior Research Project may replace one of the courses.*

1. **The Individual Within the Organization.** Courses that meet this requirement are designed to focus on the role and development of the individual in organizational settings. Students will examine some combination of the following issues: 1) how individuals acquire, develop, and use knowledge in organizational settings; 2) how individuals communicate in the process of social interaction; 3) how individuals gain an overview of the nature and foundations of sociocultural behavior. Examples of courses that satisfy this requirement:

BLST 212 Race and Ethnicity
COMM 101 Public Address
COMM 221 Group Communication
COMM 224 Interpersonal Communication
COMM 244 Intercultural Communication
PSYC 220 Social Psychology
PSYC 240 Personality
PSYC 330 Cognitive Psychology

REL 225 Ethics and Institutional Morality

SA 210 Sexual Inequality

THTR 230 Acting: Realism I

2. **Organizational Processes and Social Organizing.** Courses that meet this requirement are designed to focus on interdependent relationships within organizations. Students will develop an understanding of organizational life that reflects either the broad nature of social organizing or a specific aspect of organizational life. Examples of courses that satisfy this requirement:

BLST 265 Black Women and Organizational Leadership

BLST 339 Culture, Identity, and Politics in Caribbean Society

BLST 340 Social Justice Movements in Communities of Color

COMM 306 Organizational Culture

COMM 409 International Communication

COMM 415 Conflict and Communication

ECON 422 Industrial Organization and the Public Control of Business

ECON 423 International Trade

ECON 424 Labor Economics

ECON 425 Racial and Ethnic Groups and the U.S. Economy

EDUC 213 The U.S. Education System

ENVS 240 Environmental Politics and Decision Making

ENVS 284 Environmental Planning and Design

ENVS 301 Environmental Practicum

PHED 430 Organization and Administration of Physical Education, Health, and Athletics

POSC 110 Introduction to American Politics

POSC 311 Political Organizations in the U.S.

POSC 307 The Politics of Congress

REL 217 Sects and Cults

REL 319 The Human Condition: Economic Factors and Theological Perspectives

SA 244 Environment, Technology, and Society

SA 342 Non-Governmental Organizations, Development and Human Rights

SA 349 Complex Organizations

3. **Electives or Applications.** Courses and projects that meet this requirement are designed to focus on an aspect of organizational studies that is particularly appropriate to the student's vocational aspirations, the integrity of the program, and/or the major. Students have the following options:
- i. An integrative directed study (or)
 - ii. A senior research/honors project in the major that integrates the program into a new research project (or)
 - iii. An elective course approved by the director.

Additional Points of Interest

Summer Session The premise guiding this four-week session is that organizations need persons capable of examining problems with a critical and imaginative eye and of responding in an ever-changing environment with policies, actions, and decisions derived from a broad knowledge base. A major strength of Denison's liberal arts program is that it fosters the development of this broad knowledge base, as well as critical-thinking and problem-solving skills. The summer seminar focuses on the application of those skills in organizations. Working primarily with Denison alumni/ae, students are introduced to the language and fundamental principles of organizational management, decision-making, marketing, finance, and accounting. Equipped

with this information, students serve as consultants for local nonprofit and commercial enterprises, taking on the tasks of researching and analyzing problems, formulating solutions, and presenting findings to clients. In addition, students travel to cities such as New York, Chicago, and Washington to learn first-hand the nature of operations in advertising agencies, investment banks, manufacturing plants, and other organizations.

Internship and Integrative Paper The internship should take place during the months following the summer session. The internship will become the venue where coursework and the summer seminar are brought into play. The completion of the internship shall result in a major, integrative paper.

Philosophy

Faculty

Professor Barbara Fultner, Chair

Professors Anthony J. Lisska; Steven Vogel; Associate Professors Jonathan Maskit; Mark Moller (Dean of First Year Students); Assistant Professor Sam Cowling; Visiting Assistant Professor John McHugh

Departmental Guidelines and Goals

To do philosophy is to encounter some of the most fundamental questions that can be asked about human existence. Philosophical investigation leads students to recognize the potentially unnoticed assumptions that underpin even our most ordinary ways of interacting with other persons and engaging in human projects. Such assumptions concern, for example, the nature of human knowledge, action, and value. Philosophy challenges students to move beyond uncritical patterns of thought, to recognize problems, and to exchange a more naive worldview for a more considered and justifiable one. In doing so, students learn to think in ways that are simultaneously disciplined and imaginative. Philosophy Department faculty members cooperatively approach these concerns from diverse perspectives, both in studying the works of major philosophers and in their own creative activity. Students are encouraged to join with the faculty in this inquiry and to philosophize creatively on their own. The courses and seminars in the Department are intended to develop the abilities necessary for these activities.

Typically students without previous experience with philosophy will enroll in Philosophy 101 (Introduction to Philosophy), Philosophy 121 (Ethics) or 126 (Social and Political Philosophy). Students who wish to continue in Philosophy and perhaps to major or minor in it will then often take Philosophy 231 (Greek and Medieval Philosophy) or 232 (Modern Philosophy) as their second course. These are required courses for the major and prerequisites for some of our upper-level courses. However, there are many ways to move through our curriculum depending on a student's particular interests and departmental offerings in any given semester.

Philosophy Major

A major in Philosophy requires ten courses selected in consultation with the major advisor. The ten courses must include Philosophy 231, Philosophy 232, and at least three courses numbered 300 or higher, of which at least one must be a Junior/Senior Seminar (Philosophy 431/2). Only one semester of Senior Research (Philosophy 451/452) may count as a 300 or higher level course, and Directed Study (Philosophy 361/362) may only count as a 300-level course with the consent of the Department. No more than three courses

Philosophy

numbered below 200 may count toward the major. In addition, all majors must participate in and pass the Senior Symposium in their senior year.

The Philosophy Department welcomes double majors and self-designed majors, and is experienced in helping students integrate Philosophy with work in other disciplines. To avoid possible scheduling problems, a student considering a major in Philosophy (or one which includes Philosophy) should consult the Department early in his or her college career.

The Philosophy Department participates in the interdepartmental major in link [PPE] and several of our courses are cross-listed with other interdisciplinary programs.

Philosophy Minor

Philosophy, by its very nature, is ideally suited to assist a student in integrating and articulating knowledge gained in other areas. For this reason we attempt to tailor a student's minor program in philosophy around the specific course of studies being pursued in the selected major subject. This means that our minor program places a premium upon departmental advising.

Each Philosophy minor is required to choose a department member as a Philosophy advisor. The Philosophy advisor will not replace the student's primary academic advisor. However, the Philosophy advisor will have responsibility for guiding the student in designing the minor program in Philosophy. A minor in Philosophy requires five courses in the department. Among these courses must be Philosophy 231 or 232 and at least one course numbered 300 or higher.

Additional Points of Interest

Additional information about Philosophy courses and a course guide with more detailed descriptions of current courses may be obtained from the Philosophy Department, and is available on the department's website.

The Titus-Hepp Lecture Series Each year the department sponsors a colloquium series, bringing to campus nationally and internationally known philosophers who present papers and meet with students and faculty. Visitors have included Tyler Burge (UCLA), J. Baird Callicott (North Texas), Virginia Held (CUNY), Anthony Kenny (Oxford), Linda Martin Alcoff (Hunter College and CUNY Graduate Center), Ruth Millikan (Connecticut), Charles Mills (CUNY Graduate Center), Martha Nussbaum (Chicago), Geoffrey Sayre-McCord (UNC Chapel Hill), Peter Singer (Princeton), and others.

Other Philosophy Activities The Philosophy Department annually publishes a national undergraduate philosophy journal, *Episteme*. This journal is edited and produced by philosophy majors and minors in consultation with a faculty advisor. *Episteme* encourages and receives submissions from undergraduate philosophy students throughout the country and internationally. In addition, philosophy students organize Philosophy Coffees, informal discussions of philosophical topics, about three times each semester. Special coffees are held annually for parents during Big Red Weekend, and during the Martin Luther King, Jr. Day Celebration.

Course Offerings

Introduction to Philosophy (PHIL-101) This course aims to introduce the student to the nature and concerns of philosophy by confronting fundamental issues in areas of philosophy such as ethics, political and social philosophy, metaphysics, epistemology and others. It is intended that the student develop skills in rigorous thinking and become involved in the process of philosophizing. **4**

Ethics: Philosophical Considerations of Morality (PHIL-121) This course explores the fundamental questions of ethical theory, asking how ethical judgments can be made, what justifications they may receive,

whether terms like "right" and "wrong" have fixed meanings, whether moral assertions can claim universal validity or whether morality is rather relative to a culture or to an individual's beliefs. Depending on the semester, issues of applied ethics - having to do with abortion, medical ethics, business and professional ethics, ethics and the environment, war and peace, etc. - will be raised as well. **4**

Social and Political Philosophy (PHIL-126) This course is about justice, power, and freedom, as ideals and as realities, and about whether objective or rational justifications of political and social views and actions are practical or even possible. The course includes an exploration of some fundamental philosophical questions regarding the nature of the community, the state, the individual, and the relationships among them. Students will study great texts in Western political thought as well as contemporary discussions and critiques, including works from thinkers such as Plato, Hobbes, Locke, Marx, Rawls, Mills, and Pateman. **4**

Introductory Topics Seminar in Philosophy (PHIL-191) . **4**

Introductory Topics Seminar in Philosophy (PHIL-192) . **4**

Introductory Topics in Philosophy (PHIL-199) A general category used only in the evaluation of transfer credit. Courses with this number do not count towards the major or minor in Philosophy. **1-4**

Philosophical Studies (PHIL-200) This course offers a careful study of some of the central texts, issues, and ideas in the history of Western philosophy. Among the figures studied will be Plato, Aristotle, Descartes, Hume, Kant, Nietzsche, Wittgenstein, Quine, and others. The course is intended for most students as a second course in philosophy; its goal is to prepare students for further philosophical work by providing them with experience in philosophical study beyond that offered in Philosophy 101. Some students with particular interest in the field, however, may choose to begin their philosophical studies with this course. In either case, the course will give students the opportunity to grapple with fundamental philosophical questions by examining the works of a series of great figures in the history of philosophy. Prerequisite: One previous course in Philosophy or consent. **4**

Logic (PHIL-205) This course is an introduction to logic and its philosophy. We will begin by considering the nature and significance of arguments in everyday life as well as the cognitive psychology of human reasoning. We will then examine the fundamental features of arguments with a particular focus on the techniques of formal epistemology, decision theory, and deductive logic. Throughout this course, students will acquire a facility with logical methods, investigate the foundations of quantitative reasoning, apply general logical principles to specific cases, and examine the limitations and advantages of logical and formal methods by exploring theoretical puzzles and paradoxes. **4**

Philosophical Issues in Science (PHIL-210) This course considers a range of conceptual issues connected with the understanding and practice of science. Issues to be considered include explanation, theoretical reduction, rationality, methodology and the possibility of scientific progress, etc. Although these questions are raised from the perspective of philosophy, they are intended to provide insight into the actual practice of the sciences - from both contemporary and historical perspectives. This course should prove especially helpful to science majors seeking to achieve a different perspective on the scientific enterprise; however, non-science majors are equally welcome. Prerequisite: One previous course in Philosophy or consent. **4**

Greek and Medieval Philosophy (PHIL-231) An examination of some fundamental problems in Metaphysics (what there is) and Epistemology (how we come to know), in the context of the origin and development of Greek thinking from the pre-Socratics, Sophists and Socrates, Plato and Aristotle, through selected writers in the Medieval period including Plotinus, Augustine, Thomas Aquinas, Duns Scotus, William of Ockham, and Nicholas Cusanus. Prerequisite: One previous course in Philosophy or one Classics course or consent. **4**

Modern Philosophy (PHIL-232) Thinkers such as Rene Descartes, David Hume, and Immanuel Kant are currently referred to so often, in so many different contexts, that their names have been transformed into immediately recognizable adjectives (Cartesian, Humean, Kantian). But what did these philosophers actually believe? And why did they believe it? This course is an intermediate-level survey of western philosophy from their period (now known as the “Early Modern” or “Modern” era, which runs roughly from 1600-1800). While these and other thinkers (such as Spinoza, Leibniz, Locke, and Berkeley) in this era dealt with a wide variety of subjects, we will focus mostly on their contributions to epistemology, metaphysics, and philosophy of mind. We will address their writings with three different aims: a) to appreciate the sense in which they were, at one time, fresh and radical; b) to understand how, for better or for worse, they set the foundation for much of the modern—western, anyway—worldview; and c) to determine if what they say is either true or false. Prerequisite: One previous course in Philosophy or consent. **4**

Philosophy of Law (PHIL-250) Does law have an intrinsic connection with the moral order, or is it whatever a legislature or judge says it is? This course will analyze the concept of law, with particular attention given to the conflict between the natural law tradition and legal positivism. The justification of legal authority and the nature of legal reasoning will be considered. Normative issues, including the relation between law and concepts of justice, equality, liberty, responsibility, and punishment will also be addressed. Prerequisite: One previous course in Philosophy or consent. **4**

Environmental Ethics (PHIL-260) This course investigates the question of our ethical relations and responsibility to objects and systems in the natural world, including animals, other living beings, non-living entities, ecosystems, and “nature” as a whole. It also asks about nature as such: what nature is, what the place in it is of humans, the role of human action in transforming nature, etc. The question of the relation of the natural to the social will receive special attention. Crosslisted with ENVS 260 Prerequisite: One previous course in Philosophy or Environmental Studies major/minor or consent. **4**

Philosophy of the Arts: Aesthetics (PHIL-269) This course addresses issues in philosophical aesthetics both in relationship to the arts as well as to other domains of human life (e.g., nature, food, and design). We will ask what makes something an artwork; how to differentiate between artworks and non-artworks; how to evaluate artworks; what it means to judge something aesthetically; how aesthetic judgment differs for different kinds of objects; and other central issues from the field. Prerequisite: One previous course in Philosophy, Studio Art, Art History, Dance, Theatre or Music major or consent. **4**

Philosophy of Feminism (PHIL-275) Feminism can radically challenge traditional ways of doing philosophy. In asking why women and women's experience seem to be missing from the tradition of philosophy, it implicitly questions philosophy's claim to objectivity, universality, and truth. Thus, feminist criticism probes some of the most fundamental philosophical assumptions about our knowledge of and interaction with the world and other people. Are there philosophically significant differences between men and women? If so, what are their implications? What, if any, are the differences among women and what is their significance? This course focuses on the problem of violence against women, in its many manifestations, in order to examine these and other questions in the context of contemporary feminist discussions of epistemology, ethics, and science. Cross-listed with WGST 275. Prerequisite: One previous course in Philosophy or Women's and Gender Studies or consent. **4**

Philosophy of Mind (PHIL-280) This course addresses fundamental questions regarding the nature of the human mind and thought. Students will be introduced to the leading contemporary theories of mind as well as critical responses to these theories. They will become acquainted with the works of philosophers such as J.J.C. Smart, Gilbert Ryle, Ludwig Wittgenstein, Daniel Dennett, Patricia and Paul Churchland, Jerry Fodor, Fred Dretske, Hillary Putnam, and others. We will address questions such as whether we can know there are other minds, whether mental states are identical or reducible to brain states, how it is that our thoughts

can be about anything at all, whether there is a "language of thought", and whether our ordinary talk about mental events genuinely explains human actions. Prerequisite: One previous course in Philosophy, Psychology major, Neuroscience concentrator or consent. **4**

Intermediate Topics Seminar in Philosophy (PHIL-291) An inquiry into issues and problems that are now at the center of philosophical attention. Topics vary from semester to semester in accordance with current interests of students and faculty. Prerequisite: One previous course in Philosophy, or consent **4**

Intermediate Topics Seminar in Philosophy (PHIL-292) An inquiry into issues and problems that are now at the center of philosophical attention. Topics vary from semester to semester in accordance with current interests of students and faculty. Prerequisite: One previous course in Philosophy or consent. **4**

Topics in the History of Philosophy (PHIL-293) This course provides the opportunity for topical seminars on major issues in the history of philosophy. Prerequisite: One previous course in Philosophy, or consent. **4**

Topics in Ethics (PHIL-294) This course provides the opportunity for topical seminars on major issues in ethical theory. Prerequisite: One previous course in Philosophy or consent. **4**

Topics in Social and Political Philosophy (PHIL-295) This course provides a venue in the curriculum for topical seminars dealing with major issues in social and political theory. Prerequisite: One previous course in Philosophy or consent. **4**

Topics in Contemporary Philosophy (PHIL-296) This course provides the opportunity for topical seminars on major issues and debates in contemporary philosophy. Prerequisite: One previous course in Philosophy or consent. **4**

Existentialism (PHIL-298) Existentialism asks how we can generate a meaning for our lives without appealing to outside sources. Many existentialists embrace a view characterized with the slogan "existence precedes essence." This slogan means that any attempt to figure out what one is must begin with the fact that one is. In addition, if existence precedes essence, then there may well be a multiplicity of ways that one can be, making choosing between these ways a difficult task. That one's existence may well be experienced as constrained by social forces seemingly beyond one's control complicates matters. We will read from a variety of sources, including philosophical sources such as Nietzsche, Kierkegaard, Sartre, de Beauvoir, or Judith Butler as well as literary or biographical sources, e.g., Beckett, James Baldwin, Frantz Fanon, and others. Prerequisite: One previous course in Philosophy, or consent. **4**

Intermediate Topics in Philosophy (PHIL-299) A general category used only in the evaluation of transfer credit. **1-4**

Metaphysics (PHIL-305) This course is an introduction to the methodology of and various issues within metaphysics. Typically, these questions address certain general features about the nature of reality. Many of these are ontological, concerning whether certain kinds of entities exist—e.g., numbers, holes, fictional characters, gods, and possibilities. Other metaphysical questions concern the nature and interrelations among entities and various features of the world. Among the familiar metaphysical issues are debates regarding the nature of human beings, the reality of space and time, the limits of thought and possibility, and the connection between truth and existence. Readings will be drawn from a mix of contemporary and classical sources. Prerequisite: Two previous courses in Philosophy or consent. **4**

Theories of Knowledge (PHIL-306) An inquiry into the meaning, possibility, conditions, criteria, and types of truth and/or knowledge, and a discussion of representative theories of knowledge. The class will aim to achieve clarity in respect to both classical and contemporary approaches to the problem of knowledge.

The adequacy of those approaches will be assessed. Prerequisite: Two previous courses in Philosophy or consent. **4**

Metaethics (PHIL-321) We spend much of our time trying to answer such questions as: How ought we to act? What should we value? and What type of person should we be? But, it seems right that we can evaluate our answers to these questions and decide among them only if we correctly answer another set of questions first. For instance, how can we know what we should value unless we understand what values are, whether they exist and whether we can know them if they do? How can we know how we ought to act if we do not know what it means for an act to be morally good or why we are even obligated to do what is morally good in the first place? This course will pursue answers to this other set of questions. It will inquire into the nature of ethical statements, properties, judgments and attitudes. As such, it will draw on many other areas of philosophy, including epistemology, metaphysics and the philosophy of language. Prerequisite: Two previous courses in Philosophy or consent. **4**

Theories of Justice (PHIL-326) This course focuses on contemporary work in political philosophy concerned with justice, including that of philosophers such as Rawls, Dworkin, Nozick, Young, MacIntyre, Sandel, Nussbaum, and Habermas. We will examine questions such as: What is justice? Can it be defined independently of consideration of what the "good" is for human beings? Is justice possible in a society marked by significant religious, ethnic, cultural or other sorts of pluralisms? What is the relation between justice and nationhood, and what can be said about justice between nations? How is justice connected to social equality, and to liberty? What is meant by economic justice? What is the relation between justice and democracy? The course will examine contemporary philosophical debates about these questions, in order to help students think critically about the issue of justice in the context of the pressing real world issues in which such questions play a crucial role. Prerequisite: PHIL 126 or 250, and one other philosophy course or consent. **4**

Nineteenth-Century Philosophy (PHIL-330) This course examines some of the most important developments in European philosophy during the nineteenth century. Figures to be read may include Hegel, Marx, Kierkegaard, Schopenhauer, Nietzsche, Mill, Frege, and others. Prerequisite: PHIL 232 and one other Philosophy course or consent. **4**

History of Analytic Philosophy (PHIL-333) This course will be an introduction to the methods and the history of the analytic tradition. This tradition can be distinguished in a number of ways. Methodologically, it tends to employ careful argumentation and formal tools like logic and mathematics to provide analyses of scientific, psychological, and linguistic data. Historically, it is usually traced back to a group of Anglo-European philosophers—Frege, Russell, Moore, and Wittgenstein—writing around the beginning of the twentieth century. Thematically, it is primarily driven by the ambition of providing a systematic account of the relationship between language, thought, and the world. This course will explore early and recent contributions of the analytic tradition to epistemology, metaphysics, philosophy of language, philosophy of science, and ethics. Prerequisite: Two previous courses in Philosophy or consent. **4**

History of Continental Philosophy (PHIL-334) This course traces the development of Continental Philosophy from 1900 to the present, including the phenomenological movement of Husserl, Heidegger, Sartre, and others; the neo-Marxism of the Frankfurt School and Habermas; the hermeneutics of Gadamer and Ricoeur; and the post-structuralism of Foucault, Derrida, and others. Prerequisite: PHIL 232 and one other course in philosophy or consent. **4**

Philosophy of Language (PHIL-360) The nature of language and meaning has been a pivotal concern of twentieth-century philosophers. This course will consider questions such as: What is a language? What is it for a word to have meaning? How is communication possible? Are meanings "in the head"? What is the relation between language and thought? This course will address topics such as reference, the role of speaker

intentions, and the indeterminacy of translation. Students will be introduced to several strands of philosophy of language such as formal semantics and ordinary language philosophy, and will become familiar with the writings of philosophers ranging from Frege, Russell, and Wittgenstein to Quine, Austin, Putnam, Searle, Chomsky, Davidson, and others. Prerequisite: Two previous courses in Philosophy or consent. **4**

Directed Study (PHIL-361) 1-4

Directed Study (PHIL-362) 1-4

Independent Study (PHIL-363) 1-4

Independent Study (PHIL-364) 1-4

Advanced Topics Seminar in Philosophy (PHIL-391) 4

Advanced Topics Seminar in Philosophy (PHIL-392) 4

Advanced Topics in Philosophy (PHIL-399) A general category used only in the evaluation of transfer credit. **1-4**

Seminar in Philosophy (Junior/Senior Seminar) (PHIL-431) An intensive study in a major figure in philosophic thought. The topic varies from semester to semester, depending upon the needs of the students and the interests of the Department. Recent seminars have dealt with Aristotle and Aquinas, Foucault, Deleuze, Wittgenstein, Kant, Putnam and Rorty, Hume, and Heidegger. Prerequisite: PHIL 231 or PHIL 232, and one other Philosophy course, and junior/senior standing, or consent. **4**

Senior Symposium (PHIL-440) In the spring semester, senior philosophy majors orally present a paper in a symposium format to their peers and to philosophy faculty. The 12-page paper is the result of a year-long project. Students are also required to act as commentators for one other senior paper and to participate fully in all paper sessions. **1**

Senior Research (PHIL-451) 4

Senior Research (PHIL-452) 4

Philosophy, Politics and Economics (PPE)

Faculty

Committee: Jessica Bean (Director), Jonathan Maskit, and Heather Pool

Faculty: Andrew Barenberg (Economics), Robin Bartlett (Economics), Jessica Bean (Economics), Sohrab Behdad (Economics), David Boyd (Economics), Laura Boyd (Economics), Michael Brady (Political Science), Ted Burczak (Economics), Sam Cowling (Philosophy), Katy Crossley-Frolick (Political Science), Sue Davis (Political Science), Paul Djupe (Political Science), LuAnn Duffus (Economics), Quentin Duroy (Economics), Barbara Fultner (Philosophy), Will Georgic (Economics), Dane Imerman (Political Science), Xiao Jiang (Economics), Zarrina Juraqulova (Economics), Fadhel Kaboub (Economics), Andrew Katz (Political Science), Anthony Lisska (Philosophy), Jonathan Maskit (Philosophy), John McHugh (Philosophy), Tim Miller (Economics), Mark Moller (Philosophy), Heather Pool (Political Science), Katherine Snipes (Economics), Johan Uribe (Economics), Luis Villanueva (Economics), Steven Vogel (Philosophy), Andrea Ziegert (Economics)

Departmental Guidelines and Goals

The PPE Program enables students to pursue a rigorous course of studies exploring the important historical, methodological, and theoretical interconnections among the three indicated fields of study. It is designed specifically to meet the needs of students seeking to understand the theoretical foundations of political and economic thought.

The PPE Program is overseen by the PPE Committee comprising one faculty member from each of the PPE departments. Each PPE major must choose a member of the PPE Committee to serve as their PPE advisor. The PPE Committee (as a whole) must approve the individual program of each PPE student. Students who want to pursue a PPE major should contact one of the PPE Committee members listed above.

PPE Major

The course requirements for the PPE Program are divided into three sections: 1) Core Courses (12 courses); 2) Electives (5 courses); and 3) Senior Research (one semester). Core courses are chosen to provide students with a basic understanding in each of the three disciplines. Electives allow students to concentrate on a specific area or topic of interest, and the senior research project offers a culminating experience allowing students to integrate their work in the three disciplines. In effect, the PPE major is a double major distributed across three departments.

Core Courses

Philosophy

121 Ethics: Philosophical Consideration of Morality

126: Social and Political Philosophy

200: Philosophical Studies

250-Philosophy of Law *or* 294-Topics in Ethics *or* 295-Topics in Social and Political Philosophy *or*

321-Metaethics *or* 326-Theories of Justice

Political Science

110: American Political Behavior and Institutions

120: Politics in Democratic States

180: Introduction to Political Theory *or* 284: Introduction to American Political Theory*

382: Modern Political Theory *or* 383: Contemporary Political Theory

*Please note that PPE students who have not fulfilled POSC-201 "Analyzing Politics" should request permission from the instructor to register for POSC-284.

Economics

101: Introductory Macroeconomics

102: Introductory Microeconomics

Any two of the following four: 201-Economic Justice, 401-History of Economic Thought I, 402-History of Economic Thought II, and 403-Evolution of the Western Economy

Electives A student must select five additional advanced courses in at least two of the three departments. The courses which satisfy this requirement must be approved by the PPE Committee. Under special circumstances, and with the approval of the PPE Committee, a student may be permitted to fulfill up to two elective requirements with courses outside of the Political Science, Economics, and Philosophy departments. It is the responsibility of each student's PPE advisor and ultimately, the PPE Committee, to see that the student's course of study realizes the overall goals of the PPE Program.

Senior Research In addition to completing the course sequence indicated above, each PPE student must complete at least one semester of senior research culminating in a senior research project linking the three areas.

PPE Course of Study Proposal Each prospective PPE student must submit a formal PPE course of study proposal by March 1st of the sophomore year, indicating a general topic or theme that will serve as the focus of the major, and proposing a program of study that includes specific plans as to which core courses and which electives will count towards the major. This course of study proposal must be approved by the PPE committee before the student registers for the junior year.

Course Offerings

Senior Research (PPE-451) Research in selected topics in Philosophy, Politics, and Economics. **4**

Senior Research (PPE-452) Research in selected topics in Philosophy, Politics, and Economics. **4**

Physics

Faculty

Professor N. Daniel Gibson, Chair

Professors Steven D. Doty, N. Daniel Gibson, Daniel C. Homan, C. Wesley Walter; Associate Professors Kimberly A. Coplin, Riina Tehver; Assistant Professors Melanie Lott, Steven M. Olmschenk; Technician/Machinist David Burdick; Academic Administrative Assistant, Beth Jeffries

Departmental Guidelines and Goals

The study of physics is a challenging and intellectually rewarding activity selected by those who seek to sharpen and broaden their appreciation and understanding of the physical world and their relationship to it. To this end, courses offered by the Department of Physics and Astronomy are designed to bring the student to an increasingly independent level of investigation in experimental and theoretical physics, and to a level of sophistication commensurate with an individual's motivation, goals, and abilities.

A major in Physics is an excellent preparation for careers in engineering, medicine, business, computer science, law, industrial management, and teaching. Sufficient flexibility exists in the major program to suit the needs and goals of the individual.

For off-campus research opportunities in Physics, see the Oak Ridge Science Semester described at <http://www.denison.edu/academics/oak-ridge>.

Physics Major

A student who wants to major or minor in Physics, or minor in Astronomy, should consult with a member of the Department as soon as possible. The requirements for the major in Physics include Physics courses, Math courses, and the comprehensive experience, as discussed below:

1. Physics courses - The B.A. degree requires Physics 125, 126, 127, 200, 201, 211, 305, 306, 312, and two semesters of 400-level (1 credit each). The B.S. degree includes all requirements for the B.A. degree plus two additional Physics courses: 330, and one additional Physics or Astronomy course at the 200-level or above. (Students who have taken Physics 121-2 should consult with the chair about Physics course requirements.)
2. Math courses - The B.A. degree requires Math 123 and 124. The B.S. degree requires Math 123 and 124, as well as one additional Math or CS class (200-level or above.)
3. Comprehensive experience - Both the B.A. and B.S. degrees require successful completion of the comprehensive experience including: (1) satisfactory performance on an independent research project; and (2) a passing grade on the physics comprehensive examination, normally administered during the senior year.

Students preparing for graduate work in Physics, Astronomy, or related fields are advised to elect the B.S. degree in Physics. Additional courses taken in other science departments (Biology, Chemistry, Computer Science, Geosciences, Math) are desirable.

Physics Minor

A minor program in Physics is designed to be flexible and complement the student's major program. The student, in consultation with the Physics and Astronomy Department, will develop a minor program that will broaden and enhance both the liberal arts experience and the student's major program. The minor shall include: Physics 125, 126, 127, and Mathematics 123 and 124. (Students who have taken Physics 121-2 should consult

with the chair about requirements.) In addition, three courses at the advanced level (200 and above) in Physics are required for the minor. One of the three courses must include a significant laboratory component. These courses will be selected to provide a perspective on the discipline with the specific needs of the student in mind. In addition to these requirements, a final culminating experience will be designed by the Department and the student. One possibility includes interdisciplinary research that bridges the major and minor areas.

Major in Physics (Geophysics Concentration)

The minimum requirements for this program are Physics 125, 126, 127, 211, 305, 306, 312g, Math 123 and 124, Geosciences 111 (or an equivalent introductory course), 210, 211, and two 300-level courses (chosen in consultation with the Geosciences chair), and the physics comprehensive examination. In addition, an independent comprehensive project (experimental or theoretical) is required. Students with an interest in geophysics should consult with the Physics and Geosciences chairpersons not later than their sophomore year.

Additional Points of Interest

Engineering Denison offers the opportunity to study engineering via three, two dual-degree programs undertaken in cooperation with leading schools of engineering. Students interested in these programs should consult early with the Physics Department chair. Additional details can be found in this catalog under Pre-Professional Programs.

Course Offerings

Current Topics in Physics (PHYS-100) Designed principally for students not contemplating a major in the sciences, but who nevertheless wish to develop their ability to figure things out about the physical world for themselves. Recently, the course has focused on the physics of societal concerns such as energy and the environment. The laboratory, an integral part of the course, will serve to introduce the student to the observation, measurement, and analysis of phenomena directly related to topics studied in the course. Open to seniors by consent only. Mathematical preparation is assumed to include high school algebra and geometry. **4**

General Physics I (PHYS-121) This calculus-based course is designed to provide a thorough quantitative coverage of the foundations and concepts of Physics and its approach toward an understanding of natural phenomena. Newtonian Mechanics and Dynamics, fluids, and thermal physics are covered. Three lectures and one three-hour laboratory each week. Prerequisite: MATH 121 or 123 or 124 or concurrent. (Offered Fall) **4**

General Physics II (PHYS-122) This calculus-based course is designed to provide a thorough quantitative coverage of the foundations and concepts of Physics and its approach toward an understanding of natural phenomena. The course includes electricity and magnetism, optics and waves. Three lectures and one three-hour laboratory each week. Prerequisite: PHYS 121. (Offered Spring) **4**

Principles of Physics I (PHYS-125) This course is designed for first-year students who intend to major in physics or pre-engineering. The goal of Physics 125 is to stimulate interest in physics by exposing students to topics that are at the current frontiers of physics and to help students develop quantitative reasoning and analytical skills that are necessary for further study in physics. Topics possibly covered include relativity, particle physics, cosmology, QED, and basic quantum mechanics. The course satisfies the quantitative reasoning requirement and is intended to help students make a smooth transition from high school math and physics courses to our Principles of Physics course (126-127). Three lectures and one three-hour laboratory per week. Prerequisite: MATH 121 or 123 or concurrent. (Offered in Fall) **4**

Principles of Physics II (PHYS-126) This course is designed to provide a thorough quantitative understanding of the principles of physics and its approach toward investigating natural phenomena and the universe around us. This calculus-based sequence is primarily designed for those interested in physics, astronomy and pre-engineering. This course satisfies the quantitative reasoning requirement and is also appropriate for those majoring in other physical sciences (see also Physics 121-122). Topics include Newtonian mechanics, vibrations, fluids, and thermal Physics. Four lectures and one three-hour laboratory each week. Prerequisite: PHYS 125, MATH 123 or concurrent. (Offered in Spring) **4**

Principles of Physics III (PHYS-127) This course is designed to provide a thorough quantitative understanding of the principles of physics and its approach toward investigating natural phenomena and the universe around us. This calculus-based sequence is primarily designed for those interested in physics, astronomy and pre-engineering. This course is also appropriate for those majoring in other physical sciences. (also see Physics 121-122). Topics include electricity and magnetism, waves, and optics. Four lectures and one three hour laboratory each week. Prerequisite: PHYS 126 and MATH 124 or concurrent. (Offered Fall) **4**

Introductory Topics in Physics (PHYS-199) A general category used only in the evaluation of transfer credit. **1-4**

Modern Physics (PHYS-200) A quantitative study of topics in modern physics including relativistic kinematics and dynamics, interactions between light and matter, an introduction to the principles of quantum mechanics, and atomic physics. Additional topics may include solid-state physics, nuclear physics, or other contemporary topics. Analytical techniques are emphasized throughout. Prerequisites: PHYS 122 or 127, PHYS 201 or concurrent, or consent. (Offered in Spring) **4**

Applied Mathematics for Physical Systems (PHYS-201) A one semester overview of mathematics applied to physical systems, with extensive use of examples from introductory and intermediate physics. Topics covered will include operators, functions, vectors, complex numbers, integration, differentiation, geometry, differential equations, and linear algebra. The unity of linear systems will be emphasized, though non-linearity will also be discussed. Both hand- and computer-aided computation will be required. Prerequisite: PHYS 121 or 126, and MATH 124, or consent. (Offered in Spring) **4**

Electronics (PHYS-211) A course in digital and analog electronics with an emphasis on circuit design and lab work. Topics include binary encoding, combinational and sequential logic, microcontrollers and FPGAs, AC circuits, transistors, op-amps, and interfacing with scientific instruments. Prerequisite: PHYS 122 or 127, or consent. (Offered in Fall) **4**

Geometrical and Physical Optics (PHYS-220) A study of the laws of reflection and refraction and their applications to lenses and mirrors; and a study of diffraction, interference, polarization, and related phenomena. The course includes a laboratory. Prerequisite: PHYS 122 or 127. **4**

Special Intermediate Topics in Physics (PHYS-245) This course provides a venue in which to explore chosen topics in physics at the intermediate level. Topics vary according to the interests of students and faculty. In some cases, the course may be repeated for credit. Prerequisite: PHYS 126 and MATH 124, or consent. **4**

Intermediate Topics in Physics (PHYS-299) A general category used only in the evaluation of transfer credit. **1-4**

Physics Math Seminar (PHYS-300) **1**

Classical Mechanics (PHYS-305) A course in classical mathematical physics designed to provide the student with a basic understanding of the methods and procedures of physical analysis. Prerequisite: PHYS 127, PHYS 201 or MATH 231, or consent. (Offered in Fall) **4**

Electricity and Magnetism (PHYS-306) A course in the theory of electromagnetic interactions, including the sources and descriptions of electric and magnetic fields, Maxwell's equations, and electromagnetic radiation. Prerequisite: PHYS 305 or consent. (Offered in Spring) **4**

Experimental Physics (PHYS-312) A course in the theory and practice of physical research with emphasis on the understanding and use of present-day research instrumentation. Prerequisite: PHYS 122 or 127, PHYS 211 recommended. May be repeated once for credit. (Offered in Spring) **4**

Thermodynamics (PHYS-320) Selected topics from thermodynamics, kinetic theory, and statistical methods. This course normally will be offered in alternate years. The course may include a laboratory. Prerequisite: PHYS 200 or consent. **4**

Introductory Quantum Mechanics (PHYS-330) A first course including solutions of the Schroedinger Equation for some elementary systems, followed by an introduction to the more abstract methods of Quantum Mechanics. Prerequisite: PHYS 305-306, PHYS 201 or MATH 231, or consent. (Offered in Fall) **4**

Advanced Topics (PHYS-340) Independent work on selected topics at the advanced level under the guidance of individual staff members. May be taken for a maximum of four semester hours of credit. Prerequisite: Junior standing and consent of chairperson. **1-2**

Special Topics in Physics (PHYS-345) Topics will be chosen according to the interests of the staff member offering the course from such areas as energy, the solid state, laser physics, nuclear physics, biophysics, astrophysics, geophysics and medical physics. The course normally will be offered on demand. May be repeated with consent of chairperson. Prerequisite: PHYS 122 or 127, or consent. **4**

Directed Study (PHYS-361) Prerequisite: Consent of chairperson. **1-4**

Directed Study (PHYS-362) Prerequisite: Consent of chairperson. **1-4**

Independent Study (PHYS-363) **1-4**

Independent Study (PHYS-364) **1-4**

Advanced Topics in Physics (PHYS-399) A general category used only in the evaluation of transfer credit. **1-4**

Physics Seminar (PHYS-400) Current topics in physics. May be repeated. (Spring Semester) **1**

Advanced Dynamics (PHYS-405) A course extending the work of PHYS 305 to include the more general formulations of classical dynamics and to relate these to modern theoretical physics. Prerequisite: PHYS 305 or consent. **3**

Electromagnetic Theory (PHYS-406) A course extending the work of PHYS 306 to include more general boundary value problems, additional implications of Maxwell's equations, and the wave aspects of electromagnetic radiation, including topics in modern physical optics. Prerequisite: PHYS 306 or consent. **3**

Senior Research (PHYS-451) Prerequisite: PHYS 312 or consent of chairperson. **4**

Senior Research (PHYS-452) Prerequisite: PHYS 312 or Consent of Chairperson. **4**

Teaching Methods in Physics (PHYS-470) This course is designed to provide an understanding of the basic methods used to teach physics. This course is primarily for those majoring in physics, astronomy and pre-engineering. One-hour laboratory each week. Prerequisite: PHYS 121 and 122, or 126. **1**

Political Science

Faculty

Associate Professor Katy Crossley-Frolick, Chair

Associate Professors Sue Davis, Paul A. Djupe, Andrew Z. Katz; Assistant Professors Michael C. Brady, Heather Pool; Visiting Assistant Professors Dane Imerman, Wei-Ting Yen; Academic Administrative Assistant Kim Egger

Political Science Major

For a major in Political Science, students must complete nine courses, only three of which may be at the 100-level and only two of which may be completed in an off-campus experience. Political Science, as a discipline, is divided into four subfields:

1. Political Theory – focus on normative issues such as the purpose of government and notions of liberty, justice, and governance;
2. American Politics – seeks to explain political phenomena in the United States;
3. Comparative Politics – the study of domestic-level politics around the world;
4. International Relations – concentrates on the interaction between and among states, as well as with transnational non-state actors.

We strongly encourage students to take courses in each of the four subfields for breadth, and to develop a depth of knowledge by choosing elective courses that create an area of expertise in one of the subfields.

All majors must take:

- one course in American Politics (course numbers ending with 01-19);
- one course in Political Theory (course numbers ending with 80-89);
- one course in either: Comparative Politics (course numbers ending with 20-39) or International Relations (course numbers ending with 40-59);
- POSC 201, Analyzing Politics. This is the research methods course for the department and should be taken in the sophomore year.
- A second 200-level course. In order to further refine students' research and writing skills in political science, we have designated a number of courses to follow on and expand the skills taught in POSC 201. These courses have a substantive area in one of the four subfields of the discipline as well as a stronger focus on skills such as reading, writing, critical thinking, and research methodology/approaches. This course should be taken in the semester following POSC 201.
- POSC 491, Senior Seminar. Senior seminars are offered in the fall semester each year and should be taken in the senior year; juniors may take a senior seminar if space allows.

Additional rules:

- A maximum of three 100-level courses may count towards the major;

- Students studying off campus may transfer a maximum of two major courses for a one semester off-campus experience and three for a year long off-campus experience;
- Neither directed study nor independent study courses may be used to fulfill major requirements;
- The two-semester senior research sequence counts as one course for the major.

Political Science Minor

A minor in Political Science is six courses and must include:

- one course in American Politics (course numbers ending with 01-19);
- one course in Political Theory (course numbers ending with 80-89);
- one course in either: Comparative Politics (course numbers ending with 20-39) or International Relations (course numbers ending with 40-59).

Additional rules:

- Neither directed study nor independent study courses may be used to fulfill minor requirements;
- Only two 100-level courses may count towards the minor.

Additional Points of Interest

The Richard G. Lugar Program in Politics and Public Service For further information, consult Lugar Program, page 192.

Other Programs The Political Science Department participates in the interdepartmental major in Philosophy, Politics and Economics (PPE). The department also participates in the interdisciplinary International Studies, Environmental Studies, Black Studies and Women's and Gender Studies programs.

Off-Campus Studies The department of political science strongly encourages students to globalize their education by completing some portion of their undergraduate education abroad. A majority of Denison students spend a semester abroad during their junior year and many more spend a summer (or two) abroad. Denison offers a wide range of opportunities to study off-campus that are highly relevant to both your major and general education. Many include either independent research opportunities or internships.

Going abroad allows students to enhance their knowledge of politics while experiencing another culture and way of life. Students gain valuable international experience that will benefit future career goals and/or graduate school opportunities. Political Science majors who are fluent in another language will have special advantages in the job market!

Course Offerings

Selected Topics in American Politics (POSC-101) This course provides a venue in which to explore topics in American Politics at the introductory level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Foundations of American Government (POSC-102) This course will lay the foundation for better understanding of contemporary American government and politics in the college coursework of our students. The purpose is to take a contemporary view of American politics to a more advanced level. In this course students will read and discuss Madison's journal of the Constitutional Convention, some of the state ratification debates, leading papers in the *Federalist*, and some of the Antifederalist arguments against adoption of the Constitution. In the process they will become familiar with federalism, national supremacy, consent of the governed, bicameralism, separation of powers, the size principle, and the importance that Madison and other

founders attached to the diversity of interests and opinions in the extended republic of the United States. The course would also allocate time to the Bill of Rights. **4**

Introduction to American Politics (POSC-110) Is democracy workable in the United States? Toward this end, in this introduction to American politics, we ask questions about the behavior of the political institutions and actors trying to influence them. Significant attention is paid to the mechanisms constructed by political institutions that create a tether between the interests of the American public and government. Emphasis will be placed on learning analytic skills through papers and exams. **4**

Politics in Democratic States (POSC-120) This course will introduce students to the politics of democratic states. Among the states considered in this course are: the United States, the United Kingdom, France, and Germany. Much of the course will focus upon politics and policies in individual countries, however, the course will also seek to compare political phenomena across states and look at some conceptual and theoretical issues that these systems have in common. **4**

Selected Topics in Comparative Politics (POSC-121) This course provides a venue in which to explore topics in Comparative Politics at the introductory level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Introduction to the Politics of Developing States (POSC-122) Using examples from Africa, Asia and Latin America, students will examine both the political and the social institutions and power configurations in developing states, characteristics and political outcomes, particularly with regard to the status of citizens, citizen rights, citizen input, and citizen mobilization. Who has citizen rights? Do rights vary by ethnicity, religion, language, gender, residency? Which states are democratic, authoritarian, or dictatorial? Which states have power structured by impersonal rules or cronyism or patron-client relations? Is citizen input regularized or marginalized? And how do these variables affect the way politics is done, the effectiveness of policy formation and implementation, and the mobilization of the people? **4**

Introduction to International Politics (POSC-140) This course provides an introduction to both the language used to describe international politics and the ways relationships between actors on the world stage may be analyzed. Relying on history and contemporary events to illuminate key concepts, we cover the causes of war and peace, the role of economics in international affairs and the place of morality in statecraft. This course is recommended as preparation for advanced study in the areas of international relations and foreign policy. **4**

Selected Topics in International Politics (POSC-141) This course provides a venue in which to explore topics in International Politics at the introductory level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Introduction to Political Theory (POSC-180) An introduction to the art and science of political philosophy. This class teaches the skills of making normative arguments in the context of understanding politics as purposive behavior. What should be the means and ends of government? What kind of government should we create, and how will power be distributed? How should we prioritize our commitments to ideas like order, justice, liberty, and equality? What role do our material realities, our economies and our culture play in the formation of our identities and our commitments? This course will link normative arguments to contemporary political and policy debates about the state and governing, rights, obligations, diversity and multiculturalism. **4**

Selected Topics in Political Theory (POSC-181) This course provides a venue in which to explore topics in Political Theory at the introductory level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Introductory Topics in Political Science (POSC-199) A general category used only in the evaluation of transfer credit. **1-4**

Analyzing Politics (POSC-201) This course introduces students to the discipline of political science as a bridge to upper level courses. Basic definitions, fundamental concepts, and various approaches used in the empirical study of politics are discussed. The course acquaints students with how political scientists think about studying society and provides a basis for more sophisticated research and understanding of empirical political theory, as well as skills for systematically analyzing political and social issues. Students will explore and use statistics and quantitative methods in the lab to address substantive research questions. **4**

Doing Political Science: American Political Behavior (POSC-213) This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. This course focuses on the involvement of the public in American political processes. We will address such questions as: Why do citizens vote? For whom do they vote? How else do citizens involve themselves in the political process and why? What does the public think about political issues? What forces can change the nature, concerns, and behavior of the electorate? What are the prospects for a workable participatory democracy in America? The course is geared toward the conduct of statistically-based research on substantive problems in American political behavior. Prerequisite: POSC 110 and 201. **4**

Doing Political Science: Foreign Policy Formulation (POSC-214) This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. This course provides an assessment of the domestic factors responsible for the formulation of U.S. foreign policy. We will examine four categories of internal sources that impact U.S. response to external phenomena. Topics for analysis include: the constitutional separation of powers, bureaucratic politics, the psychology of decision makers, as well as the role of interest groups, public opinion, and the news media in the formulation of foreign policy. Prerequisite: POSC 201 or consent of instructor. **4**

Doing Political Science: Ethnic Conflict (POSC-225) This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. This course will help students analyze the nature of ethnic conflict, as well as understand why some multiethnic states avoid ethnic wars while other do not. We will primarily focus on ethnicities that inhabit the former Soviet space but will look at other groups as well as for a more nuanced view of "ethnic" conflict. Prerequisite: POSC 201 or consent of instructor. **4**

Doing Political Science: Transitions to Democracy (POSC-232) This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. The last quarter of the 20th century saw a sharp increase in the number of countries with democratic political systems. This course explores the politics and the circumstances of these transitions to democracy. It addresses questions such as: What accounted for this growth? Why the sudden and dramatic shift to democratic forms of governance? What did these transitions

look like? Who were the key protagonists? The course examines several case studies from Latin America, Southern and Eastern Europe, Central America, Asia and Africa. Prerequisite: POSC 201 or consent of instructor. **4**

Doing Political Science: American Political Thought (POSC-284) This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. An introduction to the issues, debates and problems of American political theory. This course addresses the historical legacy of Puritan, republican, liberal, radical, and conservative traditions through a study of the primary texts of people like Mather, Jefferson, Madison, Tocqueville, Douglass, Stanton, Lincoln, Sumner, DuBois, Debs, Croly, FDR, King, or Reagan. We will also judge the debates about federalism, rights, popular sovereignty, slavery, and race during the colonial era, as well as the long term legacies of both industrial capitalism, and race, gender, and religious differences in the United States. Prerequisite: POSC 201. **4**

Doing Political Science (POSC-290) Doing Political Science: This class should be taken immediately after you complete POSC 201, Analyzing Politics in your sophomore year. The 200 level "doing political science classes" are designed to focus on issues of method and writing skills expanding on what you learned about skills and methods in 201 and preparing you for upper division work in political science while also focusing on one of the major subfields of political science. This iteration is: US Security in a Globalizing World This course addresses US security in a globalizing world. In the first half of the course students survey the evolution of US security policy and are introduced to theoretical models of national security and the effects of globalization. These are then applied in the second half of the course to analyze contemporary issues in US security, including traditional issues of great power conflict, nuclear proliferation, and resource competition as well as nontraditional issues of terrorism, weaponized drones, and climate change. Emphasis is placed on critically evaluating past and present policy and developing practical, empirically-grounded policy proposals. Prerequisite: POSC 201 or consent of instructor. **4**

Intermediate Topics in Political Science (POSC-299) A general category used only in the evaluation of transfer credit. **1-4**

The American Presidency (POSC-306) This course focuses on the history of the presidency with particular attention to the origins, development, and exercise of executive powers. We also examine writings on the character, policies, reputation, and rhetoric of individual presidents; presidential management of the executive branch; and presidential leadership of Congress. Prerequisite: POSC 110. **4**

The Politics of Congress (POSC-307) The U.S. Congress is often considered the 'First Branch' of the federal government, and by its construction is easily the most complex. In this course we will consider the politics that underlie the development and operation of the contemporary Congress, detail the legislative process and its organization. We will consider how various institutions such as parties, committees, and procedures help legislators reach their goals and help solve problems such as collective action, voting cycles, and ambition. While we begin by looking at Congress at its inception and the electoral goals of members, the course will quickly move to the development of these institutions and in the early Twentieth Century (pre-1974) and their use today. Over the course of the semester, we will apply our institutional study of Congress to current events and through a multi-week simulation of the legislative process. Since many of the readings make use of existing quantitative data and existing research prior experience with this type of material at the level of POSC 201 or an equivalent is recommended. Prerequisite: POSC 110. **4**

Campaigns and Elections (POSC-309) This course examines the structure, strategy, and influence of federal campaigns and elections in the United States. With a focus on both Congressional and Presidential campaign contests the course explores topics such as primary and nominating politics, the role of money in elections, candidate selection, incumbency advantage, the influence of elections on voting behavior, campaign strategy, advertising, and election reform. Throughout the course we will apply the readings to analyze the current election cycle, historical trends, and election forecasting. In addition, students will participate in a simulated campaign exercise. By the end of the semester students will complete a research paper investigating data related to congressional campaigns centered on questions raised by one or more of the topics covered in class. POSC 110 is a prerequisite for the course and POSC 201 is highly recommended. The course counts towards the fulfillment of Lugar Track I program requirements. Prerequisite: POSC 110. **4**

America in Vietnam (POSC-310) The seminar will illuminate the key controversies of the Vietnam experience and trace their persistence in American politics, foreign policy and military strategy. The course will trace the development of U.S. military and diplomatic policy regarding Vietnam, assess the various lessons attributed to the Vietnam experience, and consider how application of these lessons has altered American's attitudes toward interventionism. **4**

Political Organizations in the U.S (POSC-311) "Democracy is unthinkable save in terms of the parties." Yet, some, including the Founding Fathers, have been less sure of Schattschneider's truism, warning of the mischiefs of faction. Political organization, however, by most accounts has been the engine and structure of American democracy throughout its two centuries. Parties, interest groups, and social movements have formed and acted to create and insure that American democracy truly is of, by, and for the people. In the course, we will investigate the formation, maintenance, and death of political organizations, the effectiveness and representative nature of political organizations, the strategies and resources of organizations, as well as recent challenges by such factors as increased individualism, media, technology and money. Organizations considered may include: the Republican, Democratic, and third parties; major interest groups such as the Sierra Club, AARP, NRA, Christian Coalition, Chamber of Commerce, and unions; and social movements such as the women's, civil rights, and Christian conservative movements. Prerequisite: POSC 110. **4**

Religion and Politics in U.S. (POSC-312) This course offers an intensive analysis of the many connections between the American religious and political systems. Questions considered include whether religion is fulfilling its democratic responsibilities, the constitutional bounds of the relationship between church and state, the religious dimensions of American political behavior, religious influences on political institutions and decision makers, and religious interest group activity. Prerequisite: POSC 110. **4**

Power and Gender (POSC-315) Despite considerable progress, gender remains an essential dividing line in politics. Gender gaps in opinion, the double-bound treatment of public officials, the exercise of power, political opportunities, and imbalances in role models, not to mention differences in socialization and psychology all shape what amounts to the political "gender system." In this course, we will dig into how political power is sought and utilized through a gendered lens that lays bare essential questions of equality in developed societies. To gain an appreciation for equal representation and our role in achieving it, we need to understand the nature of bias and the individual, social, and institutional forces that contribute to and help alleviate that bias. Students will conduct a range of original empirical research to contribute to these important debates. **4**

Topics in the Study of American Politics (POSC-319) This course provides a venue in which to explore topics in American Politics at the advanced level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Politics of Russia (POSC-322) This course focuses on contemporary Russian politics. Because Russian politics cannot be understood in the absence of historical context, the course will devote some time to the

Tsarist and Soviet periods. At least half of the course deals with the Russian Federation under presidents Yeltsin, Putin, and Medvedev. Constitutional debates, federalism, ethnic issues, political struggles, the Chechen war, changing relations with the U.S. and NATO, and more will be covered, as well as executive, legislative, and judicial institutions. **4**

Issues and Politics in Europe (POSC-323) This course will focus on contemporary issues and policy debates in European politics. We will look at a broader range of countries than POSC 120 including countries such as Poland, Spain, Denmark, the Czech Republic, and others. Some of the issues discussed could include: health care policies, minority rights and minority communities, energy politics, and more. The exact issues, policies, and countries will vary over time. **4**

Politics of Sub-Saharan Africa (POSC-324) This course explores contemporary issues in African political systems from a variety of theoretical perspectives. These issues include: political stability, democracy, economic development, and structural adjustment. No prior knowledge of Africa is required, but students should be prepared to read detailed analytic and historical contexts with a view to applying their insights to contemporary problems. **4**

Radical Right Parties and Politics in Europe (POSC-326) What accounts for the emergence, persistence and demise of "radical" or "far right" political parties in Europe? After a period of post-war stability, European party systems began to break down in the 1960s. This led to several new developments, namely, a decline in democratic participation; a decline in the traditional parties of the center Left and center Right; and the emergence of new parties on both the Left and the Right. This course focuses on the newer parties on the Right that emerged in Western Europe during the 1980's and 1990's. Specifically we focus on what many scholars label the "far" or "radical" right. These parties tend to be organized around a particular set of ideological concepts emphasizing nationalism, exclusion of "foreigners," a strong state, welfare chauvinism and, more recently, Islamophobia. Over the course of the semester students will compare and contrast the emergence of these parties and their politics across Europe and discern the differences between what scholars describe as "populist radical" or "populist far" right parties from other parties on the extreme right, namely neofascist or neo-Nazi parties which are viewed as inherently undemocratic and often elitist. **4**

Politics of the Environment (POSC-328) This course is about the theoretical, political, and practical problems associated with environmental action. Course materials analyze various theoretical perspectives on the relationship between humans and nature, and they illustrate how different ethics lead to widely different prescriptions for personal and political action. Course materials also offer examples of how environmental problems have in fact been addressed or not by governmental, non-governmental, and international institutions. This is not a course on the physical processes of environmental problems, but rather it emphasizes the political, economic, and theoretical contexts within which efforts are made to act on environmental threats. No prior knowledge of environmental or political science is required. However, students should be prepared to read and interpret detailed social science texts, to formulate and articulate cogent arguments, and to conduct independent research. **4**

Politics in Latin America, Africa, and Asia (POSC-332) This course explores the politics of developing countries of Asia, Africa and Latin America in their historical socioeconomic contexts. The goals of the course include familiarizing students with the details of politics in selected countries and understanding important concepts of political science by applying them to the case study countries. Emphasis will be placed on using concepts and theories to analyze and critique arguments. No prior knowledge of the developing world is required. However, students will be expected to identify and analyze issues germane to the developing world, read and critique systematically, form and defend arguments and opinions, conduct independent library research, pose researchable questions, and discuss readings and research findings in class. **4**

Topics in the Study of Comparative Politics (POSC-339) This course provides a venue in which to explore topics in Comparative Politics at the advanced level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

The Conduct of American Foreign Policy (POSC-341) This course explores the evolution of U.S. foreign policy from the beginning of the Cold War to the present day. The course focuses on the responses of successive American administrations to potential or actual threats to the national interests of the U.S. Emphasis will be placed on the containment doctrine, its application in Vietnam, and subsequent efforts to replace containment following the end of the Vietnam war and the end of the Cold War. **4**

The United Nations and World Problems (POSC-344) The founding of public international organizations represent an attempt to bring order to an unruly international system. International organizations are formal institutions established by states to address global problems. They include not only the United Nations, but also many other public or private, international, national or local, formal or informal institutions. Collectively, these institutions engage in global governance. Our goals in this course are to understand the theoretical and practical approaches to international organizations and global governance, the limitations under which global governance operates, and the future prospects for a system of global governance. This course has a substantial oral component and oral skills work and so satisfies the University's oral general education requirement. **4**

Human Rights in Global Perspective (POSC-345) This course analyzes the emergence, expansion and enforcement of international human rights norms. Students taking the course will acquire an enhanced understanding of the United Nations, national governments, nongovernmental organizations, customary international law, treaty law, regional courts, and international tribunals in articulating and enforcing human rights. Students will acquire a broad understanding of human rights as a topic of both intellectual inquiry and political action. **4**

The European Union (POSC-346) The course explores the peculiarities of the EU and what makes it a unique organization, sharing characteristics of a state and characteristics of a traditional international organization. First, we will place the study of European integration in a historical context. Then we will make sense of the various decision-making processes and institutional actors of the EU. We will also examine theories of European integration to understand competing explanations for the integration process. Fourth, various policy areas will be studied to show how the power of the EU is distributed unevenly across areas. During the final two weeks of the course we will simulate a gathering of the European Council. This course has a substantial oral component and oral skills work and so satisfies the University's oral general education requirement. **4**

The Middle East in World Affairs (POSC-347) The purpose of this course is to acquaint students with the political history, international significance, and the dimensions of political life in the Middle East. Owing to the ever-present potential for conflict, the seeming intractability of disputes, and the oil factor, what happens in the Middle East is of vital importance to international politics. We examine the role that politics in the Middle East has played in world affairs as well as the region's importance in the future. **4**

Foreign and Security Policy in Western Europe (POSC-348) This course aims to compare key post Cold War foreign policy behaviors during crisis situations concerning the three "big" states in Western Europe: France, Germany, and the United Kingdom (also referred to as the EU3, as they all are members of the European Union (EU)). Why is it that we know so little about the foreign policies of three countries which have been the most important allies for the US in the past fifty years? Are these countries "middle powers" or "big powers"? What role do they play in the international hierarchy? What other states in Western Europe also conduct foreign policies, they frequently do so as part of the EU, or at least tailor their policies so that

they do not substantially deviate from the EU. They also tend to have more of a regional focus as they lack the means and influence to project their power beyond the confines of Europe. Thus, the "three big" can be put in a special category because of their status, wealth, influence and power. To explore their behaviors we first establish conceptual framework for a comparative study of foreign policy (comparative foreign policy analysis). This framework guides our analysis in subsequent empirical cases examining decision-making processes, the domestic and international environment, and foreign policy outputs. We will assess key variables at the individual, group, state and systemic levels of analysis and develop a framework for comparing the foreign policy incentives of these three powers. Specific areas of inquiry include cognitive and psychological theories of decision-making, group dynamics, organizational interests, public opinion, national role conception, strategic interaction and relative power/capability changes in the international system. **4**

Terrorism and Political Violence (POSC-349) Political violence, including terrorism, has been around since the beginnings of organized political society, though the word terrorism dates only from the French Revolution (1789-1799). In this course, we will explore what terrorism is, whether it is new (and why some analysts argue it is), who uses terrorist tactics, why they do so, and how terrorism differs from other forms of political violence such as war, insurgency, and so on. We will investigate various definitions of terrorism. Most scholars think that terrorism is not a random act of violence. They see terrorism as planned and, for those who use it, rational. However, there is still a lot of disagreement on what terrorism is, what motivates terrorists, how it can be fought, and on what we mean by rational and planned. We will compare the various definitions and perspectives to determine which might work best for our understanding of the phenomena. In addition, we will focus on some key concepts in the discipline of political science and how they relate to terrorism, for example: power, ethnicity, religion, and the media. **4**

Russian Foreign and Military Policy (POSC-353) In this course we will seek to understand the motives and objectives of Russian foreign and military policies. We will look at Russian interests throughout the world with particular attention to the 'near abroad' (countries that were part of the Soviet Union), China, and Europe as well as the US-Russian relationship. Issues of arms sales, military power, and the politics of energy (oil and gas) will form a significant portion of the course. **4**

International Political Economy (POSC-355) This course introduces the theory and practice of international political economy. It is a blend of the study of both economics and politics in that it explores the interaction of power or authority (the subject matter of politics) and markets (the subject matter of economics). The prior study of economics may be helpful, but it is neither necessary nor sufficient to do well in this course. The course follows a topical and a historical approach. The selection of topics includes trade, monetary systems, international finances, and at least one current global economic issue. **4**

Topics in the Study of International Policies (POSC-359) This course provides a venue in which to explore topics in International Politics at the advanced level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Directed Study (POSC-361) Directed Studies are undertaken at the initiative of the student and may involve any topic acceptable to the student and an instructor. Written consent. **1-4**

Directed Study (POSC-362) Directed studies are undertaken at the initiative of the student and may involve any topic acceptable to the student and an instructor. Written consent. **1-4**

Independent Study (POSC-363) Written consent. **1-4**

Independent Study (POSC-364) Written consent. **1-4**

Constitutional Law (POSC-374) This course examines the basic principles of the U.S. Constitutional framework from an interdisciplinary perspective. What is the purpose and function of law in society? How does the legal process work through precedents, legal reasoning and case law? What are civil rights and civil liberties? Where are the lines or boundaries to be drawn between an individual's freedom and the public good or the rights of the community? Which liberties does the Court consider worth protecting and which liberties are circumscribed by the public interest? What might be the difference between liberty as a legal concept, and freedom? This course examines important political and theoretical questions regarding the rule of law, interpreting the Constitution, and the role of the Supreme Court in the U.S. system of politics and government.

4

Ancient Political Theory (POSC-381) Debating classical Greek and Roman thought through the works of thinkers like the Greek tragedians, Socrates, Plato, Aristotle, Cicero, Augustine or Aquinas. This course involves intensive textual analysis and a study of the problems of morality, government, membership and expansion in the ancient Greek and Roman world. We will also judge the moral and political legacy of the ancients by addressing contemporary debates about democracy, citizenship, power, empire, and the rule of law. 4

Modern Political Theory (POSC-382) Debating the moral and political problems of modernity through the works of thinkers like Machiavelli, Hobbes, Locke, Rousseau, Kant, Hegel, Burke, Paine, or Mill. This course involves intensive textual analysis and a study of the problems of virtue, interest, power, sovereignty, rights, and revolution in the modern era. We will also judge the place of ideas like liberty and equality within the system of law in republican, liberal, conservative and radical political thought. 4

Contemporary Political Theory (POSC-383) Debating contemporary political theory through the work of such thinkers as Marx, Nietzsche, Dewey, Arendt, Fanon, Marcuse, Foucault, Rawls, Habermas, Walzer, or Butler. This course involves intensive textual analysis and a study of the problems of power, capitalism, rights, obligations, culture, and identity in the contemporary era. We will also judge the legacies of radical, liberal, and pragmatic thought, and the challenges offered by critical theory, feminism, and post-colonial studies. 4

Black Political Thought (POSC-384) This course focuses on transnational black political thought by considering African-descended scholars, activists, and intellectual thinkers throughout the African Diaspora. We will examine themes of freedom, nation, racism, black nationalism, and womanism. Some of the thinkers we focus on are CLR James, Malcolm X, Frantz Fanon, Patricia Hill Collins, and Domingos Alvares. First, we focus on African healers and why they are considered intellectuals. We will pay special attention to an African-centered approach that privileges the ways in which African descendants seek freedom. Second, we examine freedom and what that meant for enslaved Africans in America who eventually gained freedom. Third, we examine how black American intellectuals and activists define racism, resistance, and freedom. We also examine the notion of black power. Fourth, we examine post-colonialism and black political thought in Africa, the Caribbean and Brazil. Fifth, we examine black feminist thought and define womanism. Lastly, we consider Hip Hop music as a movement and explore if it can be considered black political thought. 4

Topics in the Study of Political Theory (POSC-389) This course provides a venue in which to explore topics in Political Theory at the advanced level. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. 4

Advanced Topics in Political Science (POSC-399) A general category used only in the evaluation of transfer credit. 1-4

Senior Research (POSC-451) Written consent. 4

Senior Research (POSC-452) Written consent. **4**

Senior Seminar (POSC-491) Senior Seminar is a required part of the political science major and is offered only in the fall semester. Senior seminars will vary in topic but all emphasize skills in research and writing that will provide a capstone experience in the major. **4**

Portuguese

Faculty

Associate Professor Christine Armstrong, Chair

Associate Professor Mónica Ayala-Martínez; Mellon Post Doctorate Fellow David McLaughlin; Academic Administrative Assistant, Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the discovery that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding of what it means to be human in today's world.

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in all subsequent courses. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate another culture from within its own mode of expression.

With a view toward career opportunities, the department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad, with programs approved by Denison, should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are also subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

Additional Points of Interest

General Departmental Regulations Students who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO, which is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authenticated materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars that use a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices with which to enrich our students' learning experiences. This room has a 52-inch flat screen TV connected to cable. The TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector that connects to a networked Mac computer, the DVD player and document camera.

Although the Department of Modern Languages offers majors in French, German and Spanish, it also offers courses in other languages for the purpose of general education and support of other college programs. Courses in Portuguese are listed below.

The Language and Culture Program This exciting residential option gives students the opportunity to hone their language skills and to participate in special cultural events. Students who choose this residential option will live in a small community of their peers who share their enthusiasm for languages and cultures. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Course Offerings

Beginning Portuguese I (PORT-111) An introductory course to the Portuguese language, and to Portuguese and Brazilian cultures. The course will develop the four basic skills of speaking, reading, writing and listening, emphasizing basic language structure. It will also present and analyze main aspects of the history of Portugal and Brazil, their cultural similarities and difference. **4**

Beginning Portuguese II (PORT-112) A continuation of Portuguese 111. The course will continue developing the basic language skills with an emphasis on speaking, reading and writing. It will introduce students to different aspects of Portuguese and Brazilian popular culture. Important literary texts will be included as reading materials. **4**

Intermediate Portuguese (PORT-211) A course focused on the development of oral and writing skills. The course is designed as an analysis and class discussions of important Brazilian contemporary movies. Discussions cover issues such as poverty, migration, dictatorship, gender and race. **4**

Intermediate Portuguese (PORT-245) Topics in Portuguese (Portuguese-245). A review of language modalities (speaking, listening, reading, writing) in a cultural context, with an emphasis on speaking and writing. **4**

Directed Study (PORT-361) **1-4**

Directed Study (PORT-362) **1-4**

Independent Study (PORT-363) **1-4**

Independent Study (PORT-364) **1-4**

Psychology

Faculty

Dr. Cody Brooks, Chair

Professors Harry Heft, Nestor Matthews; Associate Professors Nida Bikmen, Cody Brooks, Seth Chin-Parker, Gina A. Dow, Erin Henshaw, Sarah L. Hutson-Comeaux, Susan L. Kennedy, David P.J. Przybyla, Robert Weis; Assistant Professors Mallorie Leinenger, Kristina Steiner; Visiting Assistant Professor Andrea Lourie; Academic Administrative Assistant, Jill Uland

Departmental Guidelines and Goals

Some of the major goals of our course offerings in the Department include:

- Presenting overviews of contemporary psychology, thus providing students with a knowledge of what psychologists do;
- Stimulating interest and curiosity about human and animal phenomena;
- Indicating applications of psychology to personal and social issues. Some examples of these applications concern study techniques and academic performance, the effects of anxiety or stress on performance, and the role of prejudice in society;
- Developing an understanding of the nature of scientific inquiry and methodology;
- Facilitating and encouraging the discovery of connections between psychology and other disciplines. Some examples of the connections include concerns of psychology and biology (e.g., neuroscience), computer science, and philosophy (e.g., cognitive science), psychological questions raised in the humanities and arts, and psychological assumptions in political, social, and economic theories;
- Fostering the formulation of a personally meaningful and sophisticated psychological perspective.

The first priority for all majors should be to obtain a firm foundation in the basic topic areas of psychology and in research methodologies. For this reason, psychology majors are urged to select a broad range of courses in addition to those offerings that are particularly relevant to their primary interests. Students of psychology should aim for both breadth and depth of knowledge in the discipline. The requirements for a major in psychology at Denison are relatively flexible in order to provide students with the opportunity to select those courses and experiences that best complement their personal goals. At the same time, the flexibility of these requirements requires that psychology majors work closely with their academic advisors to develop an appropriate plan of study.

Writing Program Statement : Psychology students will demonstrate competence in reviewing, developing, conducting, and analyzing psychological research, and crucially, in communicating scientific research to diverse audiences. Writing manuscripts describing their empirical psychological research will be one core-learning goal. Students will write formal research reports that are modeled on the major components of the American Psychological Association's Publication Manual. The development of these essential scientific writing skills will be coordinated across the department's research courses; those are developmentally and systematically linked at the 200 and 300-levels. Writing critical analyses or literature reviews of research will be a second core-learning goal. Students will write formal papers that include a critical analysis, or review, of a body of research and that draws conclusions from existing literature on a topic of interest. Students will have multiple opportunities to develop critical analysis writing skills in lecture and discussion-based courses at the 200 and 300-levels and in History and Systems of Psychology, which is the curriculum's capstone course. As of Fall 2016 the Psychology Department's 300-level Research courses fulfill a W-overlay.

Psychology Majors

Degree Alternatives: The B.A. and the B.S. The B.A. and B.S. students may obtain either a Bachelor of Arts degree (B.A.) or a Bachelor of Science degree (B.S.) in Psychology at Denison University.

Requirements for the B.A. in Psychology The B.A. degree in Psychology requires the completion of ten courses in Psychology. Required courses for the B.A. are:

Introduction to Psychology (PSYC 100)

Students who earn a 4 or 5 on the AP Psychology exam will receive credit toward graduation only. Psychology majors/minors (including those with an AP Psychology exam score of 4 or 5) must still complete PSYC 100 at Denison or an equivalent Introductory Psychology course that includes a rigorous laboratory. Majors/minors with transfer credit from another university (PSYC 199) do not need to complete PSYC 100. They may begin with PSYC 200 or an elective. However, majors/minors with PSYC 199 credit who do not complete PSYC 100 must complete one additional Psychology elective. PSYC 199 will not satisfy a Science (Y) GE. Students should select a psychology department faculty member as their primary or secondary advisor when they declare a major or minor in psychology.

Transfer Credit : Students may waive the PSYC 100 requirement with approved PSYC 199 credit from an Introductory Psychology transfer college course. PSYC 199 does not fulfill a Y (Science) GE and does not count toward the courses for the major/minor. Thus, students with PSYC 199 credit will need to complete one additional PSYC elective course to meet the required number of courses for the B.A. degree (see below for more information on Elective Courses). If a student with PSYC 199 credit elects to take PSYC 100 at Denison, the PSYC 199 credit will be forfeited.

Research Methods and Statistics in Psychology (PSYC 200)

Two Combinations of Topical Psychology Course plus Research Course (Fulfill a total of 4 courses).

- PSYC 200 is a prerequisite for any research course.
- Research courses must be taken concurrently with their accompanying topical courses. The first topical/research course combination taken must be at the 200-level; the second topical/research course combination taken must be at the 300-level. Specific courses that fulfill the topical/research course combinations are listed below:

200-Level Topical/Research Course Combination Options

- (210) Development in Infancy and Childhood, and (211) Research in Development in Infancy and Childhood
- (215) Adult Development and Aging, and (216) Research in Adult Development and Aging
- (220) Social Psychology, and (221) Research in Social Psychology
- (225) Environmental Psychology, and (226) Research in Environmental Psychology
- (230) Organizational Psychology, and (231) Research in Organizational Psychology
- (240) Theories of Personality, and (241) Research in Personality Psychology
- (245) Adolescence, and (246) Research in Adolescence
- (250) Abnormal Psychology, and (251) Research in Abnormal Psychology
- (270) Health Psychology, and (271) Research in Health Psychology

300-Level Topical/Research Course Combination Options

- (310) Psychology of Learning, and (311) Research in Psychology of Learning
- (330) Cognitive Psychology, and (331) Research in Cognitive Psychology
- (340) Sensation and Perception, and (341) Research in Sensation and Perception
- (350) Biological Psychology, and (351) Research in Biological Psychology
- (355) Clinical Psychology, and (356) Research in Clinical Psychology
- As of Fall 2016 the Psychology Department's 300-level Research courses satisfy a writing ("W") General Education (GE) requirement.

Two Psychology Elective Courses.

- These two courses are typically selected from regular Denison course offerings at the 200, 300, or 400-level. Field Experience (PSYC 202), Senior Research (PSYC 451-452), Directed Studies (PSYC 361-362), and Independent Studies (PSYC 363-364) do not count toward the elective courses required for the major.

- **Transfer Courses** : Denison University works to make study abroad possible for all students. The Psychology Department encourages students to study abroad during their junior year. A maximum of one elective Psychology course can be fulfilled with transfer course credit from either a Study Abroad program or another U.S. college or university. In order for a transfer course to count toward this requirement for the major or minor, the transfer course must be equivalent to 3-4 credit hours in a Psychology course at Denison, and must have been reviewed and approved in advance by the Psychology Department Chair. To request review of a potential transfer course, please submit to the Psychology Department Chair the Off-Campus Study transfer credit form along with a complete and current syllabus from the transfer course.

Additional Psychology courses taken from a Study Abroad program will not count toward the Psychology Major or Minor, but may be eligible for credits toward graduation at Denison.

Additional Psychology courses taken from another U.S. college or university may not be eligible to fulfill course requirements for the Psychology Major or Minor at Denison; eligibility decisions are made on a course-by-course basis by the Psychology Department at Denison.

Some Denison students studying abroad conduct independent research or internships as part of their study abroad experience. We encourage students to visit the Off-Campus Study office to explore options. Students who conduct human subjects research while abroad must follow the policies described on the University IRB website in myDenison at Campus Resources => Provost => Teaching, Learning and Curriculum => IRB. And then scroll down to "Off-Campus Study & Human Subjects Research."

- Students with PSYC 199 credit **will need to complete one additional PSYC elective course** (a total of 3 elective courses) to meet the required number of courses for the major (see section above on Introduction to Psychology for more information).

One 300-level Psychology Seminar course (PSYC 300 or PSYC 301).

- One 200-level PSYC Research Course is a prerequisite for all PSYC seminar courses.
- PSYC seminars are open to students in their junior and senior years.

History and Systems of Psychology (PSYC 410).

- This course is typically taken in the junior or senior year.

The flexibility of the B.A. requirements places maximum responsibility upon the student to select a course of study most compatible with their future goals. For example, PSYC 370 (Advanced Statistics for Behavioral Sciences) is helpful for many upper-level courses and is required for admission into most graduate schools. It is either a prerequisite for, or must be taken concurrently, with Senior Research (PSYC 451-452). Those contemplating graduate work should become involved in research activities in the department (e.g., Directed Study, Senior Research, Research Assistant, Denison Summer Science Scholars). Students interested in the intersection of biology and behavior may wish to participate in the Neuroscience Concentration. Students interested in the application of psychology to organizations and businesses may wish to participate in the Organizational Studies (OS) Program. All students are encouraged to work closely with their advisors in developing an appropriate program in the major.

Requirements for the B.S. in Psychology The B.S. degree in Psychology requires the completion of eleven courses in Psychology and four cognate courses from the Natural Sciences Division departments outside Psychology (excluding Astronomy and Neuroscience); Environmental Studies is not in the Natural Sciences Division. Required courses for the B.S. are:

Psychology

Introduction to Psychology (PSYC 100). Please see the notes under the B.A. degree regarding AP Credit and Transfer Credit.

Research Methods and Statistics in Psychology (PSYC 200).

Three Psychology Topical Course plus Research Course combinations (Fulfill a total of 6 courses).

- PSYC 200 is a prerequisite for any research course.
- Research courses must be taken concurrently with their accompanying topical courses. The first topical/research course combination taken must be at the 200-level; the second and third topical/research course combinations taken must be at the 300-level. Specific courses that fulfill the topical/research course combinations are listed under the B.A. degree.
- As of Fall 2016 the Psychology Department's 300-level Research courses satisfy a writing ("W") General Education (GE) requirement.

One 300-level Psychology Seminar course (PSYC 300 or PSYC 301).

- One 200-level PSYC Research Course is a prerequisite for all PSYC seminar courses.
- PSYC seminars are open to students in their junior and senior years.

Advanced Statistics for Behavioral Sciences (PSYC 370).

- PSYC 200 is a prerequisite for this course.
- This course is typically offered only in the fall semester.

History and Systems of Psychology (PSYC 410).

- This course is typically taken in the junior or senior year.

Four cognate courses in the Natural Sciences Division (outside of PSYC).

- This requirement should be fulfilled by taking two courses from two different departments or by taking all four courses from a single department.
- All courses must be courses that meet the requirements for the major in that department. For purposes of the Psychology B.S. cognate requirements, Computer Science and Mathematics courses are considered as being from different departments.
- Courses offered by disciplines without a major (e.g., Astronomy or Neuroscience) do not meet this cognate requirement. Courses from Environmental Studies and other Departments/Programs outside the Natural Sciences Division do not meet this cognate requirement.

Psychology Minor

Students with a major in another department will find a minor in psychology to be a significant contribution to their education. In order to best complement the major area of study, students should carefully select those psychology courses that have the most direct relevance to that major. These choices should be made in consultation with the academic advisor, as well as a member of the psychology faculty.

A minor in psychology requires the completion of seven courses in Psychology. Required courses for the minor are:

Introduction to Psychology (PSYC 100). Please see the notes under the B.A. degree regarding AP Credit and Transfer Credit.

Research Methods and Statistics in Psychology (PSYC 200).

One 200-level Psychology Topical Course plus Research Course combination (Fulfills a total of 2 courses).

- PSYC 200 is a prerequisite for any research course.
- Research courses must be taken concurrently with their accompanying topical courses. Specific courses that fulfill the 200-level topical/research course combination are listed under the B.A. degree.

Three Psychology Elective Courses.

- These three courses are typically selected from regular Denison course offerings at the 200, 300, or 400-level. Field Experience (PSYC 202), Senior Research (PSYC 451-452), Directed Studies (PSYC 361-362), and Independent Studies (PSYC 363-364) do not count toward the elective courses required for the minor.
- Please see the notes under the B.A. degree regarding Transfer Courses and PSYC 199 credit.

Course Offerings

Introduction to Psychology (PSYC-100) An introduction to the scientific study of behavior and mental processes. Topics include cognition, behavior change and development, individual differences, social processes, and the biological bases of behavior. The course emphasizes current knowledge and research in the field and its application. The laboratory component of this course examines the strengths and limitations of observational and experimental methods, and enhances understanding of course concepts and principles. Laboratory experiences include development of research questions, design of studies, data collection in classroom laboratories and field settings, and data analysis and interpretation. 100 is a prerequisite for all other courses in the department. (Offered each semester) **4**

Introductory Topics in Psychology (PSYC-199) A general category used only in the evaluation of transfer credit. **1-4**

Research Methods and Statistics (PSYC-200) This course examines the primary research methods and data analysis procedures used by psychologists to describe, predict, and explain behavior. Observational, experimental, and quasi-experimental methods are studied along with principles of research design, control, validity, reliability, and ethical practice. Throughout the course, methodological procedures are considered in conjunction with principles and methods of data analysis, presentation, and interpretation. The logic and procedures of descriptive and inferential statistics are emphasized. This course prepares students to design, conduct, and analyze psychological research and is a prerequisite for all psychology research courses at the 200 and 300-level. Prerequisite: PSYC 100. **4**

Field Experience in Psychology (PSYC-202) This course provides practical experience working in some area of applied psychology. Students participate in a minimum of four hours of field experience per week at human-service agencies and schools in the Granville, Newark, and Columbus areas. Students are supervised by agency staff and participate in weekly didactics and discussion at Denison, facilitated by the instructor. The purpose of the field experiences is to help students integrate and apply information from their traditional courses, to discern future career goals, to assist in personal development, and to serve the community. This course is graded S/U (Satisfactory/Unsatisfactory) and may be taken a maximum of two times for a total of four credit hours with the following stipulations: 1) only two credit hours will count toward the requirement for a Psychology major or minor; 2) if taken twice, the two settings must be substantially different and approved by the instructor in advance. Prerequisite: PSYC 100. Students interested in taking this course must gain permission of the instructor during pre-registration. **2**

Intermediate Studies in Psychology (PSYC-205) The study of significant and contemporary psychological topics and perspectives at the intermediate level. May be taken more than once for credit, unless otherwise noted. Prerequisite: PSYC 100. **4**

Special Topics (PSYC-206) 4

Development in Infancy and Childhood (PSYC-210) Psychological development through late childhood and preadolescence. Topics covered include biological foundations, prenatal development, infancy, cognitive and language development, personality and social and emotional development (including attachment, development of self concept, peer relations, gender differences), family and social policy issues, and developmental psychopathology. Prerequisite: PSYC 100. **4**

Research in Development in Infancy and Childhood (PSYC-211) Provides the student with research experience on problems of current interest in infant and child development. Must be taken concurrently with 210. Prerequisite: PSYC 100 and 200. **4**

Adult Development and Aging (PSYC-215) This course examines the psychological development and change in adults from young adulthood through old age. Topics include theoretical perspectives, biological and physical changes, individual differences in health and disease, memory and intellectual performance, Alzheimer's disease, personality, gender and social roles, family and intergenerational relationships, friendships, sexuality, career development and work, caregiving, and death and dying. Implications for social programs and services, public policy, and careers and education in gerontology will also be examined. Social, ethnic, historical, and cultural contexts of aging will be considered throughout the semester. Prerequisite: PSYC 100. **4**

Research in Adult Development and Aging (PSYC-216) Provides the student with research experience on problems of current interest in adult development. Must be taken concurrently with 215. Prerequisite: PSYC 100 and 200. **4**

Social Psychology (PSYC-220) The study of the nature and causes of individual behavior in social situations. Topics covered include attribution theory, social cognition, non verbal communication, attitude change, prejudice and discrimination, interpersonal attraction, prosocial behavior, aggression, and application of social psychology to the legal system. Prerequisite: PSYC 100. **4**

Research in Social Psychology (PSYC-221) Provides the student with research experience on problems of current interest in social psychology. Must be taken concurrently with 220. Prerequisite: PSYC 100 and 200. **4**

Environmental Psychology (PSYC-225) An examination of the relationship between the environment and psychological processes. Topics examined in this course include how the character and the design of our environments can affect psychological well-being, and how certain ways in which we perceive and think can constrain our efforts to comprehend and confront environmental problems. Other topics explored are early environmental experiences and development, environmental stressors such as crowding and noise, territoriality and privacy, environmental aesthetics, cognitive maps and way-finding behavior, effects of institutional size on performance, and attitudes toward the natural environment. Prerequisite: PSYC 100. **4**

Research in Environmental Psychology (PSYC-226) Provides the student with experience in conducting field research. A variety of approaches are utilized, including field experiments and naturalistic observation. Must be taken concurrently with 225. Prerequisite: PSYC 100 and 200. **4**

Organizational Psychology (PSYC-230) This course considers the application of psychological theory and methodology to problems of organizations and the functioning of individuals and groups within organizations. Topics include team development and performance, organizational power and politics, organizational culture, leadership and motivation at work, job commitment and satisfaction, organizational change and organizational development. Required for students completing the Organizational Studies certificate. Prerequisite: PSYC 100 or consent of instructor. **4**

Research in Organizational Psychology (PSYC-231) Provides the student with research experience on problems of current interest in organizational psychology. Must be taken concurrently with Psychology 230. Prerequisite: PSYC 100 and 200. **4**

Theories of Personality (PSYC-240) This course offers a systematic introduction to "normal" human personality and addresses both historical and contemporary approaches to the study of individual differences, with an emphasis on primary research and debate in the field. Within each perspective, basic theoretical assumptions, relevant research, traditional assessment methods, and current applications (i.e., to the workplace, close relationships, or health behavior) are discussed. Recurring themes regarding the structure, origin, and function of personality are explored and compared across the different perspectives. Prerequisite: PSYC 100. **4**

Research in Personality Psychology (PSYC-241) Provides the student with research experience addressing problems of current interest in the study of personality. Must be taken concurrently with Psychology 240. Prerequisite: PSYC 100 and 200. **4**

Adolescence (PSYC-245) Psychological development from late childhood through early adulthood. Topics covered include biological foundations, cognitive development, personality and social and emotional development (including development of self concept, family and peer relations, gender differences, and sexuality), culture, ethnicity and social policy issues, and developmental psychopathology in adolescence. Prerequisite: PSYC 100. **4**

Research in Adolescence (PSYC-246) Provides the student with research experience on problems of current interest in adolescent development. Must be taken concurrently with PSYC 245. Prerequisite: PSYC 100 and 200. **4**

Abnormal Psychology (PSYC-250) This course provides an introduction to the scientific study of psychopathology. We will consider contemporary approaches to defining abnormal behavior and the current diagnostic system: DSM-5. For each disorder, we will examine its essential features, associated characteristics, prevalence, course, and etiology. We will also examine both pharmacological and psychosocial treatments for each disorder. This course is especially designed for students interested in clinical/counseling psychology, psychiatry, social work, neuropsychology, or other helping professions. Prerequisite: PSYC 100. **4**

Research in Abnormal Psychology (PSYC-251) Provides the student with research experience on problems of relevance to abnormal psychology. Must be taken concurrently with Psychology 250. Prerequisites: PSYC 100 and PSYC 200. **4**

Human Sexuality (PSYC-260) A survey of psychological and biological aspects of sexuality. Topics include prenatal sexual differentiation, sexual anatomy, physiology of sexual response, contraceptive behavior, sexually transmissible infections, sexual dysfunction, and cancer and other diseases of the reproductive system. Prerequisite: PSYC 100. Course is cross-listed with QS 260. **4**

Health Psychology (PSYC-270) The field of health psychology investigates the relationship between health, mental processes and behavior. This course considers the role of health habits in the development of

disease and the impact of psychological factors on the course of disease. In addition, the course explores the ways in which psychological principles can aid in the development of both individual and medical interventions to prevent disease and promote health. Topics include: stress, immunity, the management of chronic illness, and the contribution of psychological and social factors to cancer, cardiovascular disease, AIDS, and autoimmune diseases. In addition, health enhancing and health compromising behaviors such as exercise, diet, and smoking will be examined. Social, historical and cultural factors associated with health will also be considered in this course. Prerequisite: PSYC 100. **4**

Research in Health Psychology (PSYC-271) This course provides the student with research experience on problems of current interest in health psychology. Must be taken concurrently with 270. Prerequisite: PSYC 100 and 200. **4**

Psychology of Diversity (PSYC-280) "This course will introduce students to issues that characterize diverse societies and will present analyses of these issues from a psychological perspective. We will learn how social categories, such as race, social class, religion, gender, ethnicity, sexual orientation, etc. inform individuals' identities, the way they make sense of their social world, and the way they act in it. The social hierarchies and power inequalities between different groups that characterize the U.S. and many other societies in the world will be at the heart of our analysis. We will read theory and research on social identities, origins and functions of prejudice and stereotyping, their effects on the targeted populations and on ways of reducing prejudice, improving intergroup relations as well as redressing inequality." Prerequisite: PSYC 100. **4**

Intermediate Topics in Psychology (PSYC-299) A general category used only in the evaluation of transfer credit. **1-4**

Seminars (PSYC-300) Seminars are designed for majors in special areas within Psychology. Content will vary with staff and student interest. Typically, seminars include lecture/discussion and student presentations. Prerequisite: PSYC 100, 200, one 200-level research course and junior or senior status. **4**

Seminar: Psychology of Women (PSYC-301) This course reviews psychological research and theories on women. Topics include sex bias in psychological research, gender differences and similarities in personality and abilities, lifespan development, problems of adjustment and psychotherapy, language and communication, women's health, female sexuality, and violence against women (rape and wife battering). Cross-listed with WGST 301. Prerequisite: WGST major, or PSYC 100, PSYC 200, and junior or senior status, or consent. **4**

Advanced Studies in Psychology (PSYC-304) The study of significant and contemporary psychological topics and perspectives at the advanced level. May be taken more than once for credit, unless otherwise noted. Prerequisite: PSYC 100. **4**

Psychopharmacology (PSYC-305) This course begins with an overview of the ways in which psychoactive drugs work, including discussions of pharmacokinetics, pharmacodynamics, neuronal function, neurotransmitters, dose-response functions, tolerance and sensitization and toxicity. Agonistic and antagonistic drug effects are then studied, including the specific ways in which neurotransmitters may be affected by such actions. In the second half of the course, specific drugs used in the treatment of psychological disorders are studied, including drugs to treat anxiety disorders, clinical depression and schizophrenia. Finally, "recreational" drug use is examined, including discussions of alcohol and marijuana. Issues of drugs, culture, and behavior are emphasized throughout the semester. Prerequisite: PSYC 100 and/or BIOL 150, or permission of instructor. **4**

Psychology of Learning (PSYC-310) An intensive survey of experimental research on fundamental emotional-cognitive processes of learning and memory, with a focus on how those processes manifest

themselves in, influence, and determine behavior. The learning processes of instrumental and Pavlovian conditioning, and the interactions of those learning processes, comprise the main focus of the course. Theory, research, implications and applications pertaining to the basic principles of behavior are emphasized. The course, and learning/conditioning research traditionally, is valuable because of the use of models to understand learning about biologically and emotionally-significant experiences. Unconscious learning and seemingly irrational reactions are considered in depth. Much of the course content is relevant to applied topics such as behavior modification, substance abuse problems, anxiety, depression, other behavior disorders, education and parenting practices. This course does not cover techniques for improving academic learning skills for students. Prerequisite: PSYC 100. **4**

Research in Psychology of Learning (PSYC-311) Offers the student experience conducting research in and/or out of the learning laboratory, using a variety of methods. Research requires time outside of class. Some work with live animals is usually involved. Must be taken concurrently with 310. Prerequisites: PSYC 100, PSYC 200, and one 200-level research course. **4**

Development of Children with Special Needs (CSL) (PSYC-315) Disability is a facet of human diversity that is often overlooked. This course explores a wide range of developmental disabilities, focusing mostly on physical impairments and intellectual disabilities. We will discuss the impact of disabilities on the individual's development and how families respond to the various challenges that often arise. In addition, we will review some general concepts concerning disabilities, including prenatal development and testing, ethical issues, cultural influences, relevant public policy including federal and state laws and regulations, early intervention, and the family-centered approach. Some of the disabilities that will be examined include metabolic errors, disorders of hearing and communication, neural tube defects, intellectual disabilities, specific learning disabilities, Fragile X, ADHD, and disorders on the Autism Spectrum. This course will be taught in a lecture/discussion/experiential format, and includes regular student led discussions and a 30 hour service-learning component to be performed at a local facility for preschool children with and without special needs. Prerequisite: PSYC 100. **4**

Culture and Human Development (PSYC-320) Cultural psychology is an examination of the influence of cultural processes on a wide range of psychological topics, including perceiving, thinking, child development, language, and social cognition. Its unifying theme is the claim that complex psychological phenomena need to be understood as being situated in a cultural context. Some broad topics considered in the course are the nature of human nature, the psychological properties of tools and technology, and research methods for the study of cultural psychology. Prerequisite: PSYC 100. **4**

Cognitive Psychology (PSYC-330) This course examines how people acquire, remember, and use knowledge. Topics covered include memory, attention, perception, imagery, and cognitive neuroscience. Applications to contexts such as learning and teaching, social behaviors, and individual behavior and performance will be considered. Prerequisite: PSYC 100. **4**

Research in Cognitive Psychology (PSYC-331) Provides the student with research experience on problems of current interest in cognitive psychology. Must be taken concurrently with 330. Prerequisite: PSYC 100, 200, and one 200-level research course. **4**

Sensation and Perception (PSYC-340) This course involves analysis of sensory processes and perceptual systems. Discussions on these topics will include a consideration of biological, ecological and evolutionary perspectives. Topics include sensitivity to light and sound; color perception; depth and form perception; perceptual illusions; and perception of environment. Power and justice issues associated with sensory disabilities (e.g., blindness and deafness) will be emphasized. Consequently, this course satisfies the Power and Justice (P) GE requirement. Prerequisite: PSYC 100. **4**

Research in Sensation and Perception (PSYC-341) This course offers experience in conducting research on sensory processes and perception. Students are exposed to different research techniques and investigate problems relating to the various sensory modalities. Must be taken concurrently with 340. Prerequisite: PSYC 100, 200, and one 200-level research course. **4**

Biological Psychology (PSYC-350) This course explores the relationships between the brain and nervous system and behavior, and includes topics ranging from neuroanatomy and pharmacology of the nervous system to the biological bases of mental illness. The interactions among the nervous and endocrine systems are emphasized in an attempt to understand how basic physiological principles can serve in the understanding of complex phenomena, including emotion, learning, sleep and arousal and sexual behavior. Required for students pursuing the neuroscience concentration. Prerequisite: PSYC 100. **4**

Research in Biological Psychology (PSYC-351) This course focuses on basic research methodologies and techniques that are commonly used to examine the biological bases of behavior. Students are given "hands on" experience in the design and execution of several research projects. Must be taken concurrently with 350. Prerequisite: PSYC 100, 200, and one 200-level research course. **4**

Clinical Psychology (PSYC-355) This course introduces students to the discipline of clinical psychology from the scientist-practitioner perspective. Topics include psychological assessment, diagnostic interviewing, and evidence-based psychotherapies. We will also examine the efficacy and effectiveness of psychosocial treatments for mental disorders, professional ethics, and recent developments in the field of clinical/counseling psychology. Prerequisite: PSYC 100. **4**

Research in Clinical Psychology (PSYC-356) This course provides students with experience conducting empirical research related to the field of clinical psychology. Must be taken concurrently with PSYC 355. Prerequisite: PSYC 100, 200, and one 200-level research course. **4**

Directed Study (PSYC-361) **1-4**

Directed Study (PSYC-362) **1-4**

Independent Study (PSYC-363) **1-4**

Independent Study (PSYC-364) **1-4**

Advanced Statistics for the Behavioral Sciences (PSYC-370) An introduction to techniques of data analysis, interpretation, and presentation. Special emphasis is placed on sampling theory, tests of significance, analysis of variance, regression and using SPSS for analysis. Prerequisite: PSYC 100 and 200. Not open for credit to students who have already taken both MATH 242 and PSYC 200. Cannot be taken concurrently with MATH 102. (Offered in Fall) **4**

Advanced Topics in Psychology (PSYC-399) A general category used only in the evaluation of transfer credit. **1-4**

History and Systems of Psychology (PSYC-410) This course examines major issues in psychology as they have been addressed throughout its history, from the writings of the Greek philosophers to 20th and 21st century theories and experimental investigations. These issues include mind-body relations; processes of knowledge acquisition such as perception and learning; nature and nurture; the nature of mind and consciousness; characteristics of human motivation and personality; and the nature of thought and memory. The philosophy of scientific inquiry in relation to the field of psychology is also considered. Many issues considered connect to the current states of modern psychology. The course is a unifying experience for psychology majors. Prerequisite: PSYC 100. **4**

Senior Research (PSYC-451) Must have taken or be taken concurrently with Psychology 370. **4**

Senior Research (PSYC-452) Must have taken or be taken concurrently with Psychology 370. **4**

Queer Studies (concentration only)

Faculty

Committee: Warren Hauk, Director (Biology), Ronald Abram (Studio Art), Robin Bartlett (Economics), Marlaïne Browning (Queer Studies, Writing Program), Gina Dow (Psychology), Barbara Fultner (Philosophy), Karen Graves (Education), Amanda Gunn (Communication), Sarah Hutson-Comeaux (Psychology), Ching-chu Hu (Music), John Jackson (Black Studies), Clare Jen (Women's and Gender Studies/Biology), Bill Kirkpatrick (Communication), Maia Kotrosits (Religion), Linda Krumholz (English), Lisbeth Lipari (Communication), May Mei (Mathematics), Lisa McDonnell (English), Michael Morris (Dance), Anna Nekola (Communication), Emily Nemeth (Education), K. Christine Pae (Religion), Heather Pool (Political Science), Fred Porcheddu-Engel (English), Frank "Trey" Proctor (History), Sandy Runzo (English), Charles St-Georges (Spanish), Sheilah Wilson (Studio Art), David Woodyard (Religion), Gill Wright Miller (Dance)

Departmental Guidelines and Goals

An evolving and expanding discipline, Queer Studies encompasses theories and thinkers from many fields: cultural studies, gay and lesbian studies, transgender studies, race studies, women's and gender studies, literature, history, film, media, postmodernism, postcolonialism, and more. By engaging with this diverse range of fields, the work of Queer Studies distinguishes itself in that it focuses on issues surrounding sexuality and gender (and other axes of marginalized identity) and the way(s) that the questions raised in these other arenas might be modulated through that central lens. To that end, Queer Studies examines the cultural, social, historical, and political implications of sexuality and gender from the perspective of those marginalized by the dominant sexual and gender ethos; it explores the ways that culture defines and regulates sexuality and gender (and more broadly normativity) as well as the reverse, the ways that sexuality and gender structure and shape social institutions and power structures.

Queer Studies Concentration

Core Requirements The Queer Studies concentration requires a total of six courses. Three of these are core requirements, and three are electives that typically are offered by other programs or departments and are cross-listed with Queer Studies. The required core courses are Introduction to Queer Studies (QS 101), Queer Theory (QS 268/300), and Senior Seminar (QS 400).

Electives The Queer Studies concentration requires students to complete three elective courses from among those approved by the Queer Studies Committee based on the following criteria, or through petition to the Committee:

At least two-thirds of the course should focus on: some aspect of gay, lesbian, bisexual, transgender experience, culture, and history; and/or relevant issues or themes (privilege, oppression, sexual behavior, identity, performance, social movements, etc.); and/or conceptual categories (gender, sexuality, etc.) central to the field of Queer Studies.

Any course in the concentration should address the relationship between the normative and the transgressive. Through these courses students should gain an understanding of, and respect for, differences in human

Queer Studies (concentration only)

identity such as age, ability, class, ethnicity, gender, gender identity, sexuality, race, and religion. Courses that already meet the criteria for Queer Studies electives, or that can be readily adapted to meet the above criteria through negotiations between instructor and student, include (but are not limited to) the following:

ARTS 213 Queer Graphix

BLST 235 Introduction to Black Studies

BLST 340 Social Movements

COMM 229 Mediating Gender and Sexuality

COMM 329 Gender and Communication

COMM 349 The Trouble with Normal

COMM 402 Language, Identity, and Politics

COMM 406 Rhetoric and Social Movements

DANCE 240 Special Topics in Dance

EDUC 330 Gay and Lesbian Issues in Education

ENGL 245 Human Diversity through Literature

ENGL 250-350 Special Topics in Literature

ENGL 340 Contemporary Drama

MUS 332 Music and Sexuality

PHIL 275 Philosophy of Feminism

PSYC 301 Psychology of Women

RELG 101 Introduction to Theology

RELG 280-380 Special Topics in Religion

WGST 101 Issues in Feminism

WGST 311 Feminist Theory

WGST 323 Transgender Studies/Issues

Course Offerings

Introduction to Queer Studies (QS-101) A survey of the legal regulation of sexuality and gender in the 19th and 20th centuries and the emergence of modern civil rights movements of sexual minorities. This course will focus on the history, strategies, conflicts, and issues associated with these political and social movements. **4**

Bible, Gender and Sexuality (QS-108) This course introduces students to the many conflicted attitudes and images around men, women, and sexuality found in the Bible, from the very different creations of Adam and Eve to Revelation's representation of the Roman Empire as the "whore" of Babylon; from the assertive and sexually suspicious female figures of Ruth and Rahab to Jesus' uncertain masculinity in accounts of his death. We will ask: does the Bible support heterosexuality and decry homosexuality? In addition to close, historically-oriented study of select biblical texts, students will be acquainted with core readings in contemporary gender theory. **4**

Introductory Topics in Queer Studies (QS-199) A general category used only in the evaluation of transfer credit. **1-4**

Queer Graphix (QS-213) Through a series of drawing and printmaking projects, this studio art course seeks to explore and creatively express queer culture, aesthetics and GLBT art history, as well as notions of identity, gender, orientation and sexuality. Art students will employ traditions of journalistic comics, collage,

screen-printing, photo-copies, community collaborative artistic work (zines) and research presentation projects to not only celebrate queer artistic practices but also reveal the often damaging impact society and politics has on self identity and expression. **4**

Mediating Gender and Sexuality (QS-229) In this class we will examine and evaluate the cultural construction and representation of gender and sexuality in contemporary American mass media, and trace their development throughout the 20th century. We will focus on a variety of mass-produced commercial media texts, surveying television, magazines, advertising, and popular music. Although gender is the primary identity construction examined in the course, we will also pay close attention to other aspects of identity that define American women, such as ethnicity, class, and sexuality. We will investigate representational issues in relation to their political repercussion, and draw from a broad range of academic literature, including feminist television criticism, film theory, cultural studies, communication theory, and popular music criticism. Cross listed with COMM 229. **4**

Introduction to Black Studies (QS-235) An introductory study of the Black experience in America, this course will survey the field by examining in series, the various social institutions that comprise Black American life. Students will be introduced to fundamental contemporary issues in the study of Black religion, politics, economics and the family. Additionally, this course will serve as an introduction to Afrocentricity, "the emerging paradigm in Black Studies," and to the new scholarship on Blacks in America. **4**

Queer Night (QS-238) This course explores issues in Queer Studies through weekly discussions, often but not exclusively centered around fiction and documentary films selected and screened by faculty and students, as well as readings and other materials to provoke thought and discussion. One of the purposes of this course is to provide students a venue in which to discuss the meanings of sex, gender identity, gender performance, gender roles, and sexual orientation—both in their relationships to each other and their intersections with race, ethnicity, class, religion, culture, and location. Such relationships are central to the themes of the topics course materials selected each semester. The course further seeks to bring a diverse group of faculty and staff together with students to engage in conversation and to learn collaboratively about concepts and themes in Queer Studies. Students may enroll in Queer Night multiple times since the films screened and materials assigned will be different each semester. **1**

Special Topics in Dance (QS-240) This is a special topics course originating in the Dance Department. This course provides a venue in which to explore topics in Dance that meet the requirements of an elective course in the Queer Studies Concentration. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Human Diversity Through Literature (QS-245) A study of selected works by and about bisexual, gay, lesbian and transgender people. **4**

Special Topics in Literature (QS-250) This is a special topics course originating in the English Department. This course provides a venue in which to explore topics in English that meet the requirements of an elective course in the Queer Studies Concentration. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Topics in Queer Studies (QS-268) **4**

Philosophy of Feminism (QS-275) Feminism can radically challenge traditional ways of doing philosophy. In asking why women and women's experience seem to be missing from the tradition of philosophy, it implicitly questions philosophy's claim to objectivity, universality, and truth. Thus, feminist criticism probes some of the most fundamental philosophical assumptions about our knowledge of and interaction with the world and other people. Are there philosophically significant differences between men and women? This course examines

Queer Studies (concentration only)

this and other questions, emphasizing contemporary feminist discussions of epistemology, ethics, and science. Prerequisite: One previous course in Philosophy or Women's and Gender Studies or consent. **4**

Special Topics in Religion (QS-280) This is a special topics course originating in the Religion Department. This course provides a venue in which to explore topics in Religion that meet the requirements of an elective course in the Queer Studies Concentration. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Introduction to Theology (QS-281) Theology can be understood as a quarrel with normality. With a transcending disposition, it challenges the ideologies of the age with an alternative consciousness. Issues of race, gender, sexual orientation, environmental deterioration, and the death penalty are confronted. Metaphors for God penetrate and deconstruct. **4**

Issues in Feminism (QS-290) An introduction to the field of Women's and Gender Studies, this interdisciplinary course considers the socio-political meanings and practices of gender in our lives. It examines whether gender is biological or socially constructed and how notions of femininity and masculinity are (re)produced. Students will analyze the workings of power and the social production of inequality in institutions such as the family, the workplace, and the state, taking into account the intersections between gender, race, class, ethnicity, nationality, and sexuality. Topics will include sexual and gender violence, equal rights, reproductive technologies, body image, and transnational feminist issues. A central aim of the course is to develop critical reading and thinking about the plurality of women's experiences and about the ways in which women have resisted inequalities and engaged in local/global politics for social transformation and change. This course fulfills the Interdivisional (I), Power and Justice (P), and Oral Communication (R) GE requirement. **4**

Queer Theory (QS-300) Queer Theory is an interdisciplinary course designed to introduce students to historical and theoretical treatments of topics such as the essentialism vs. constructionism debate; intersections of race/gender/class and sexual orientation; science and representation; performativity and normativity; and ethics, politics and law. **4**

Seminar: Psychology of Women (QS-301) This course reviews psychological research and theories on women. Topics include sex bias in psychological research, gender differences and similarities in personality and abilities, lifespan development, problems of adjustment and psychotherapy, language and communication, women's health, female sexuality, and violence against women (rape and wife battering). Prerequisite: PSYC 100, 200, and junior or senior status, or consent of instructor. **4**

Feminist Theory (QS-311) This course examines various ways of understanding gender by looking at a variety of feminist theories. Theories studied may include psychoanalytic, feminist theory, cultural materialist feminist theory, etc. Particular consideration will be given to issues raised by multiculturalism, women of color, womanist perspectives, queer theory, class concerns, international and transnational movements. The course will introduce students to a variety of theories to enable them both to recognize and use those theories in their research and social practice. Students will be encouraged to become reflective about their own theoretical stances and to consider how societies can move closer to justice for both women and men. Prerequisite: One Women's and Gender Studies course or consent. (Offered in Fall) **4**

Transgender Studies/Transgender Issues (QS-323) This course offers an introduction to the growing interdisciplinary field of Transgender Studies, focusing on key figures and writings that contributed to its development. Transgender Studies is primarily concerned with directing critical concentration on the diversity and politics of gender, the embodied experience of transgender people, as well as the material conditions and representational strategies that surround, enable, and constrain trans* lives. We will consider relevant selections of scholarship in feminist, queer, and transgender studies; first-person and autobiographical writings by

transgender people; and media representations of transgender people and politics that are shaping perspectives of gender within our contemporary cultural moment. Transgender scholarship and perspectives made available by transgender lives provide opportunities to consider and critique the range of apparatuses and systems of regulations that produce the limits and frontiers of embodying sex and gender. **4**

Gender and Communication (QS-329) This course focuses on (1) the role of interpersonal, social and political communication in the construction of gender expectations in American culture, and (2) how those expectations get communicated/performed, and thus reified, in our daily lives. We will explore the complex interplay between self expectations and social expectations of gender that get expressed, challenged, and ultimately influenced by and within a variety of social and interpersonal contexts: education, the body, organizations, friends and family, romantic relationships, the media, and politics. Prerequisite: COMM 280 and 290. **4**

Gay and Lesbian Issues in Education (QS-330) In this seminar students will examine gay and lesbian issues in what is, arguably, the most central social institution in contemporary American culture. We will begin with an introduction to sexuality, drawing upon scientific and historical scholarship, and collectively delineate critical issues regarding sexuality in U.S. schools. We will study Queer Theory as a foundation for the work to follow and read central texts in the queer history of education. We will read major legal documents regarding sexuality in the United States and secondary literature relating to them. In this section our focus will be on students' rights regarding Gay Straight Alliances, safety, and educators' employment rights. We will discuss gay and lesbian issues in a multicultural education framework in terms of issues identified by the class earlier in the semester. **4**

Music and Sexuality (QS-332) 4

Social Movements (QS-340) In this course we explore social movements as a primary means of social change. We attempt to understand the conditions which precede, accompany and follow collective action. Particular case studies for analysis will be drawn from the United States and cross-cultural contexts to illustrate that social movements are human products that have both intended and unintended consequences. This course is sometimes taught with a special subtitle: "Social Justice Movements in Communities of Color," cross-listed with the Black Studies Program. Prerequisite: ANSO 100 or consent. **4**

The Trouble with Normal: Normalization, Discourse and Power (QS-349) One of the primary ways that social power and control are exercised is through the establishment and enforcement of "norms": gender norms, racial norms, sexuality norms, norms of able-bodiedness, norms of beauty and body size, and more. This course delves deeply into the theoretical literature of normalization, especially the work of Michel Foucault, and applies it to a wide range of topics including sexuality, disability, gender roles, body size, and more. The course is cross-listed with Communication. Prerequisite: COMM 280 and 290, or QS 101 and QS 201, or QS 300, or consent of instructor. **4**

Special Topics Literature (QS-350) This is a special topics course originating in the English Department. This course provides a venue in which to explore topics in English that meet the requirements of an elective course in the Queer Studies Concentration. Topics will vary according to the needs and interests of the teaching faculty offering the course. In some cases, this course may be repeated for credit. **4**

Contemporary Drama (QS-351) Intensive study of drama from 1956 to the present, with an emphasis on British and American playwrights. The course will focus on the issues, problems, techniques, and generic forms particular to contemporary drama, with interest in the emerging drama of minority, female, and gay and lesbian playwrights. Cross-listed with ENGL 340. **4**

Directed Study (QS-361) 1-4

Religion

Directed Study (QS-362) 1-4

Independent Study (QS-363) 1-4

Independent Study (QS-364) 1-4

Senior Seminar (QS-400) This is a capstone course for the QS concentration during the spring semester, when it may also serve to help students apply Queer Theory to a senior project or honors project in their chosen major. **4**

Language, Identity and Politics: Discourse and the Public Sphere (QS-402) This course examines the role of language and discourse in constructing, maintaining and transforming identities, publics and politics in late 20th century democracies. Throughout, we will consider the relationship between language use and unequal relations of power. We will begin with an introduction to discourse studies and explore discourse as symbolic power, social practice and ideology. Next, we will examine the role of discourse in constructing and maintaining identities and communities, including those of subaltern and marginalized publics. Finally, we will examine and critique the role of discourse in public sphere(s) from Afrocentric, feminist and queer perspectives. **4**

Rhetoric and Social Movements (QS-406) This course focuses on the historical rhetorics of discontent and transformation. Students will examine the characteristics and functions of persuasive discourse produced by social movements; the ways in which symbolic action sought to shape perceptions of concrete realities. Of particular interest will be the intersection of cultural context, biography, and creative rhetorical strategy. **4**

Senior Research (QS-451) 4

Senior Research (QS-452) 4

Religion

Faculty

Associate Professor K. Christine Pae, Chair

Professors John E. Cort, David O. Woodyard; Associate Professors John L. Jackson, K. Christine Pae; Assistant Professors, Maia Kotrosits, Martha Roberts; Visiting Assistant Professor Claire Robison; Academic Administrative Assistant Jodi Weibel

Departmental Guidelines and Goals

The study of religion at Denison is an academic endeavor within the Liberal Arts tradition. Religion majors and minors (and those who take religion courses) learn to think critically, communicate clearly, and explore different world-views empathetically. Religion courses enhance students' intellectual development at Denison, and provide skills that transfer to multiple careers.

Religion courses focus upon cultures, moralities, sacred texts, rituals, and symbols, and thus students are led to reflect on multiple religious traditions, including their own, and enhance their own sense of self and reality. Religion courses provide opportunities to consider issues such as gender, sexuality, race, class, and global diversity in the intersections of religious and secular settings. Courses in religion aspire as well to connect

with other fields of study, and bring to awareness the connective tissues among different life spheres. The academic study of religion, in its normative and historical forms, is one of the ways in which Denison students are educated “to become autonomous citizens, discerning moral agents, and active citizens of a democratic society.”

Religion Major

A Religion major requires nine courses. It has the following components: (1) a set of five courses (201, 204, 211, 215, 224) from which four are required; (2) a concentration of at least three courses in designated areas, designed in consultation with the student's Religion Department advisor; (3) a seminar for majors and minors only, designed around special topics that will be in a concentration area; (4) a comprehensive examination with take-home and in-class components. Ordinarily, no more than one course at the 100-level may count. If a student has completed the common courses and fulfilled a concentration, one semester of a Senior Research Project may count toward the nine-course requirement.

Religion Minor

A Religion minor consists of (1) a common set of five courses (201, 204, 211, 215, 224) from which four are required; (2) an elective course; (3) a seminar for majors and minors only, designed around special topics; and (4) an abbreviated comprehensive examination.

Additional Points of Interest

Off Campus Study Denison University works to make study abroad and other off-campus study possible for all students, typically during their junior year. Most students who major in Religion transfer one or two courses for the concentration within the Religion major, satisfy a GE requirement or two, and gain general credits towards graduation. Quite a few do independent research or internships as part of their study abroad experience. We encourage students to visit the Off-Campus Study office to explore options, and to meet with a faculty advisor in the Religion Department to discuss how study abroad can best be integrated into the student's major.

Course Offerings

Introduction to Theology (REL-101) Theology is an attempt to understand ourselves and our world in relation to transcendent reality. It is simultaneously an attempt to state persuasively the claims of faith in relation to the controlling experiences of an era. The course will focus upon theological responses to issues like environmental deterioration, race and gender, violence and the death penalty. This course fulfills the Power and Justice (P) GE requirement. Cross-listed with QS 281. **4**

Ethics, Society and the Moral Self (REL-102) This course primarily focuses on religious ethics in our contemporary society. Students will explore diverse theories of justice and examine these theories in social realities at both domestic and global levels. Questioning how to become responsible citizens and discerning moral agents, students will contemplate possibilities to build community for peace and justice crossing religious differences. Topics include theories of justice, global economy, food, environmental ethics, race, gender, and sexuality. This course fulfills the Power and Justice (P) GE requirement. **4**

World Religions (REL-103) An introduction to the comparative study of religion, involving case study surveys of several of the major religious traditions of the contemporary world. Guiding questions include: What does it mean to live within each tradition? What does one do? How does one view the world? To what extent is religion a matter of personal experience and to what extent a matter of social and cultural experience?

Religion

How have people in these traditions balanced the pursuit of wisdom and the practice of compassion in their lives? How do we begin to study the world's religious traditions? **4**

Religions in India (REL-104) "Religions in India" is an introductory survey of the religious life of the South Asian subcontinent. The course provides an introduction to religious traditions in South Asia, including: Hinduism, Buddhism, Jainism, and Sikhism. **4**

Buddhism (REL-105) A historical and thematic survey of the Buddhist tradition from the time of Siddhartha Gautama, the Buddha, until the present. Emphasis upon the ways in which Buddhist teachings and practices have interacted with and been changed by various cultures in Asia, and more recently in North America. Cross-listed with EAST 105. **4**

Special Topics in Religion (REL-106) 4

Bible, Gender and Sexuality (REL-108) This course introduces students to the many conflicted attitudes and images around men, women, and sexuality found in the Bible, from the very different creations of Adam and Eve to Revelation's representation of the Roman Empire as the "whore" of Babylon; from the assertive and sexually suspicious female figures of Ruth and Rahab to Jesus' uncertain masculinity in accounts of his death. We will ask: does the Bible support heterosexuality and decry homosexuality? In addition to close, historically-oriented study of select biblical texts, students will be acquainted with core readings in contemporary gender theory. This course fulfills the Power and Justice (P) GE requirement. Cross-listed with WGST 108/QS 280. **4**

Introduction to American Religions (REL-109) This course examines American religions from the pre-colonial period to the present. Why has religion in the United States always been energetic and diverse? What forms has this religious vitality taken? How does religion fit within the larger trajectory of American history? What is specifically American about the American religious experience? Exploring these questions will inevitably concern such important themes as race, immigration, gender, pluralism, and religious freedom. **4**

Introductory Topics in Religion (REL-199) A general category used only in the evaluation of transfer credit. **1-4**

The Reality of God (REL-201) The premise of the course is that the metaphors we use for God are profoundly consequential. The ways we imagine God affect our understanding of ourselves and our society. We will explore how particular metaphors impact economic justice, the ecological crisis, history and human oppression as well as our personal lives. **4**

Judaism (REL-202) The course is an inquiry into the nature of Judaism. The emphasis will be on the development of Rabbinic Judaism: Theology, History, and Rabbinic Literature. **4**

Asian Religions in the U.S. (REL-203) Who are Asians and Asian-Americans in the 21st century's United States? What religions have they brought? How have they changed the ecology of our contemporary U.S. society? What issues are they facing? Particular attention goes to Islam, Buddhism, Hinduism and urban immigrant Christianities. Mandatory site-visits to immigrant religious organizations in Greater Columbus are required. **4**

Religious Pluralism and American Identity (REL-204) What does it mean to be "American" in the twenty-first century? Is it even possible for such a religiously diverse people to affirm a common identity of any substance? Today, citizens must negotiate among the often competing demands of religion, community, and nation. This course will examine how Americans have historically viewed religious diversity, consider

theoretical approaches to religious pluralism, and explore how contemporary local conflicts illuminate just how religious does (not) and should (not) affect engaged, democratic citizenship. **4**

Religion and Nature (REL-205) An investigation of the religious value of nature in Christianity and Buddhism, particularly in America and Japan. We look at how people in these cultures have viewed the place of humanity within the world of nature, and the relationships among humanity, God and nature. Cross-listed with ENVS 205. **4**

The Nature of Religion (REL-210) This course explores some of the ways different scholars have asked and attempted to answer the basic questions, What is religion? What is religious experience? Scholarly approaches include those of history, philosophy, theology, anthropology and psychology. **4**

Introduction to the Bible (REL-211) The Bible is a book -- or rather, a collection of books -- produced and assembled over long stretches of time, worked and re-worked by various groups within the relatively small and usually crisis-ridden community of Israel. In other words, it is a history of revisions, as Israel attempted to make sense of itself amidst changing times and new empires. This course introduces students not only to the historical contexts, literary variety, and major narrative traditions of the Bible, but the social forces guiding its eventual composition as a book. Thus the New Testament will be engaged not as the founding documents of Christianity, but as one of many ongoing Jewish interpretations of Israelite traditions in the context of the Roman Empire. **4**

Introduction to the New Testament: Unbinding the Book (REL-212) What we now have as the "New Testament" first appeared not as Christian nor even as "scripture," but as texts interpreting Israelite traditions in the wake of Israel's tenuous, subjected, or even annihilated status under the Roman empire. How did the New Testament become what it is now, the foundational documents of a dominant tradition? How does reading with deep historical attention to Israel's history under Rome change what we think New Testament texts say? We will also be reading some "early Christian" texts that did not make it into the New Testament (The Gospel of Mary, The Gospel of Thomas, The Acts of Paul and Thecla), and asking how the New Testament came to be a collection that rendered the very Hebrew traditions composing it an "old" testament. **4**

History of Christian Thought (REL-213) A study in the development of Christian teachings to the early Middle Ages. Changing concepts of Church Doctrine and the nature of the church, with its approach to human problems are studied. **4**

The Christian Right in American Culture (REL-214) This course will examine the history, theology, practices, and politics of the so-called "Christian Right" in America. In coming to appreciate the complexities of pentecostalism, fundamentalism, and evangelicalism, we'll look at megachurches, speaking in tongues, the feminism of submissive wives, creation science, and the commercialization of contemporary conservative Christianity. **4**

Hinduism (REL-215) One of the oldest surviving religions on the planet, what we call "Hinduism" is actually a complex of loosely related religious traditions that have been woven together by a shared geography and by historical circumstance. By reading primary texts--from the ancient Vedas and Puranas to the work of medieval poets and contemporary film makers--students will be invited into an encounter with the religious traditions and the world views that sprouted up in South Asia so long ago, and that continue to evolve even today. **4**

Religions of China and Japan (REL-216) This course explores the basic teachings and historical development of the most influential religious traditions and schools of thought in East Asia, including Confucianism, Taoism, Buddhism, and Shinto. Attention is given to classical texts, popular practice and the recent impact of Western culture on East Asian religion. **4**

Sects and Cults (REL-217) A study of new religious movements, cults, and sects in modern America, this course will investigate the sociological and religious dimensions of such fascinating phenomena as Satanism, occultism, polygamy, witchcraft, new age religion, and UFO worship. Special attention will be given to the social-structural origins of cults and sects, to the church-sect continuum, and to the variety of social relationships that exist between religious groups and the larger society. The Unification Church, popularly known as the Moonies, Jimmy Jones' Peoples' Temple, the Hare Krishna Movement, the Branch Davidians and Heaven's Gate are among the many religious groups to be examined. **4**

Islam (REL-218) A historical and thematic survey of the beliefs and practices of the Muslim tradition from the time of the Prophet Muhammad to the present. Emphasis upon the ways that Islamic teachings and practices have interacted with, changed, and been changed by various cultures in Asia, Africa, Europe, and more recently North America. **4**

Human Rights, Indigenous Rights, Environmental Rights (REL-220) This course explores two ongoing global debates among academics, activists and policy-makers within the concept of human rights: (1) To what extent should human rights be limited to a narrow range of clearly defined individual rights, and to what extent should they be expanded to cover a larger range of individual and collective rights? (2) Are indigenous communities necessarily better environmental stewards, and so does the extension of rights to these communities lead to better environmental protection? This course fulfills the Power and Justice (P) and the Writing (W) GE requirement. Cross-listed with INTL 250/ENVS 265. **4**

Christian Social Ethics (REL-224) What is the faith community's responsibility to society? What proper roles should the religious community play in politics? How can people of faith be responsible citizens in secular state and in the kingdom of God at the same time? What does it mean to live according to God's love and justice? This course explores the various and contesting theories in Christian social ethics and examines structural justice and injustice. Topics include Christianity and politics, feminist ethics, war and peace, economic ethics ecological ethics and global ethics. **4**

Women's Spiritual Activism (REL-227) What is women's spiritual activism in our contemporary society? What can we learn from those who have struggled to bring gender equality and peace in human society? Is religion anti-feminist or feminism anti-religious? In spite of cultural, racial and religious diversity among women across the globe, women often share the similar stories of physical and psychological suffering caused by their institutionalized religions and societies. Many of these women also testify that their religions enabled them to resist injustice and to build up solidarity with others including men. This course invites the students to explore the spiritual journeys of the feminist activists---their struggles for justice for all humanity. Cross-listed with WGST 227. **4**

Rebellion, Resistance and Black Religion (REL-228) This course examines the cultural continuities between African traditional religions and Black religion in the United States. It also explores the connection between politics and religion among Black Americans and the role religion plays in the African-American quest for liberation. The course examines theological and ethical issues, such as the color of God and the moral justifiability of violent revolution. Students will be given an opportunity to study contemporary religious movements, such as Rastafarianism and the Nation of Islam, along with more traditional African sectarian practices such as voodoo and Santeria. Cross-listed with BLST-228. **4**

Creation Narratives and Power Relations (REL-230) Writing and re-writing the story of the creation of the world was a common ancient practice, especially as people experienced new or increasingly difficult political and social circumstances. In fact, ancient people regularly used descriptions of the creation of the world to express their dissatisfaction with the world in which they lived, to reimagine it, or to justify or critique the powers-that-be. This course reads a breadth of ancient literature describing the creation of the cosmos

for not only their literary beauty and philosophical influences/distinctions, but their social and political implications. How do ideas of what is "human" support forms of ideal citizenship? How do these texts imagine and naturalize gender differences, the differences and affiliations between animals and humans, and the reason for pain and suffering in the world? How do they understand the world's beauty alongside the ugliness of war? How do they try to transform the chaotic realities of the world into an ordered whole? This course fulfills the Power and Justice (P) GE requirement. Cross-listed with CLAS-301. **4**

Special Topics (REL-240) Special Topics in Religion provides a venue in which to explore in some depth an aspect or issue related to Religion at a 200 level. Topics will vary by semester. **4**

Intermediate Topics in Religion (REL-299) A general category used only in the evaluation of transfer credit. **1-4**

Major/Minor Seminar (REL-300) **4**

Empire: Is America the New Rome? (REL-301) The premise of the course is that America functions in the world and in our lives as an empire. While some would argue that we are "the indispensable nation," others contend that America uses its power in its own interests, even the interests of an elite segment of the country. Consideration is given to the role of capitalism as a distributor of goods and services and the ways in which it forges identity and addresses issues of equity. While there is a discreet focus on class, race, and gender, those issues emerge in other contexts. Attention is given to the biblical tradition as a model for responding to empire, and the ways in which it is exploitive. This course fulfills the Power and Justice (P) GE requirement. **4**

New Testament Studies (REL-308) This seminar will examine in depth either a text or group of texts or a theme that is important in the New Testament. **4**

Hebrew Bible Studies (REL-309) This seminar will concentrate on either a text or a group of texts or a theme that is important in the Hebrew Bible (or Old Testament). **4**

Religion and Society (REL-317) This course investigates the relationships between religion and society and the social dimension of religious truth-claims. The central theme entails a cross-cultural study of religious influences on both social stability and change or revolution. In exploring this tension between religion and existing socioeconomic and political orders, we will consider such examples as religious movements, civil religion, and liberation theology. **4**

Women and Social Ethics: In the Global Context (REL-327) "The personal is internationally political!" Whether we are aware or not, we live in the globalized world and our actions here and now affect the lives of millions of people whom we may never meet face to face. Through the religious concept of "interdependence" with the secular understanding of "women's rights as human rights," this course will analyze and explore globalized issues of poverty, war, sex-trafficking, migration, reproductive rights, and religious conflict as well as ethically consider how diverse social groups are interconnected to each other beyond national and religious boundaries; and how we study, analyze, and practice transnational feminist activism for all humanity. Cross-listed with WGST 327. **4**

Seminar: Special Topics (REL-340) Special Topics in Religion provides a venue in which to explore in some depth an aspect or issue related to Religion at a 300 level. Topics will vary by semester. **4**

Directed Study (REL-361) **1-4**

Directed Study (REL-362) **1-4**

Spanish

Independent Study (REL-363) 1-4

Independent Study (REL-364) 1-4

Advanced Topics in Religion (REL-399) A general category used only in the evaluation of transfer credit. **1-4**

Senior Research (REL-451) 4

Senior Research (REL-452) 4

Spanish

Faculty

Associate Professor Christine Armstrong, Chair

Associate Professors Dosinda Alvite, Mónica Ayala-Martínez, Francisco J. López-Martín; Assistant Professors Jason Basic, Melissa Huerta, Nausica Marcos Miguel, Charles St-Georges; Visiting Instructors/Assistant Professors Mirela Butnaru, Jose Manuel Canibano, Arturo Matute Castro; Academic Administrative Assistant, Liz Barringer-Smith

Departmental Guidelines and Goals

Educated people spend their lives pursuing growth in political, social and intellectual freedom. One kind of intellectual freedom requires us to break away from the notion that our native language is the most natural and apt means of expressing the full range of human experience. An education can start with the realization that all words are purely conventional devices. They are nonetheless tools that stir emotions, articulate ideas, and establish relationships with others. Learning another language contributes to our education by intimately exploring cultural and linguistic concepts that broaden our understanding

Our basic courses offer the opportunity to begin acquiring the skills and knowledge necessary for the eventual mastery of a language. When students take full advantage of that opportunity, they can use the target language in all subsequent courses. The Department emphasizes the use of the target language in most of its courses because it believes that students can best appreciate another culture from within its own mode of expression.

With a view toward career opportunities, the Department encourages integrating language study with a variety of other academic areas, such as history, philosophy, international studies, environmental studies, biology, economics, political science, and English. Courses in cultural studies and literature, aside from their intrinsic worth, also present multiple perspectives on other cultures and areas of intellectual experience.

A student who wants to spend a summer, a semester, or a year abroad with programs approved by Denison should consult members of the Department and the Office of Off-Campus Studies (see Off-Campus Programs). On-campus opportunities to improve their command of the language are provided by the Language and Culture Program, language tables, international films, club meetings, and similar activities sponsored by the Department. There are as well subsidized field trips to museums and pertinent activities in cities across the country, and in some cases international travel.

Spanish Program Mission Our mission is to enrich students' views on life by learning Spanish and crossing cultures in an intellectually challenging context. By working closely with professors, in and outside the classroom, students acquire proficiency in critically analyzing the complex issues of today's world.

Spanish Program Vision Our students become co-learners with each other and us, and competent in intercultural communication and the study of cultural discourses. They engage with a wide range of texts and develop analytic and evaluative skills to be active participants in an evolving world. They connect with the world in multiple significant ways: study abroad, student conferences, guest speakers, extracurricular activities, and community outreach. Our program is a rigorous, intellectually stimulating and fulfilling endeavor, responding to an ever-changing world. It integrates culture, language, and literature through, and across, multiple perspectives and methodologies. It also forges ties with many other departments throughout the university so that our discipline can facilitate research and the acquisition of knowledge across the curriculum.

Goals for the Major In our courses students cultivate functional language abilities and develop knowledge of the cultures and literature of Spanish-speaking peoples. They do so through historical breadth and depth of inquiry, covering different Hispanic regions and exploring a variety of interdisciplinary approaches. Students will develop critical language awareness, interpretation and translation, historical and political consciousness, social sensibility, and aesthetic perception.

At the linguistic level the Spanish program subscribes to the Standards for Foreign Language Learning in the 21st Century articulated by the American Council on the Teaching of Foreign Languages.

Communication

- **Interpersonal**
Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
- **Interpretive**
Students understand and interpret written and spoken language on a variety of topics from diverse media.
- **Presentational**
Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.

Cultures

- **Practices and perspectives**
Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.
- **Products and Perspectives**
Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

Connections

- Students reinforce and further their knowledge of other disciplines through the language.
- Students acquire information and recognize the distinctive viewpoints that are only available through the language and its cultures.

Comparisons

- Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
- Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own, including the relationship between accepted practices, products and perspectives.

Communities

- Students use the language both within and beyond the school setting.
- Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.

Spanish Major

Students majoring in Spanish must take a minimum of 9 courses above 213. Required courses are: SPAN 215, 220, 230. In addition, students must take 3 elective courses at the 300-level and 3 elective courses at the 400-level. All students who wish to engage in Senior Research projects are expected to submit a petition to the department during their junior year (before a study abroad experience is undertaken). Students who declare a Spanish major should choose an advisor in the program to guide them through their educational career.

Spanish Minor

The minor in Spanish consists of at least five courses above the 213-level, including three required courses at the 200-level and two electives at the 300 or 400-level. The following courses are required: 215, 220 and 230.

Additional Points of Interest

The Language Lab An important asset of the department is the Language Lab with its 27 Macs, zone-free DVD player and document camera. It also has a VIA Connect PRO, which is a wireless collaboration and presentation solution that makes sharing and presenting easier for all computers in the room. The lab provides support for learning activities outside and inside the classroom, ranging from grammar drills to research and collaborative writing projects, as well as discussions of authenticated materials published on the Internet. The area is designed not only for individualized instruction but also for group work and small seminars using a variety of digital materials for class discussion.

Cultural Enrichment Each semester the Department offers students exceptional opportunities for cultural enrichment in language study. These opportunities include, for example, off-campus trips to target-culture plays, movies and performances, as well as campus visits by native scholars and performers. In that way, experiences in target cultures become more readily available to our students. These opportunities are made possible through a most generous endowment bestowed on the Department of Modern Languages by the Patty Foresman Fund. The Department maintains a Modern Languages Facebook page where Denison community members can view upcoming events.

The Foresman Lounge Located in the central hub of the department, it provides the Denison community with a space for a wide range of activities such as receptions, classes, and informal gatherings. This area has a kitchenette with a table and chairs for sharing lunch or a coffee with our faculty. It is also equipped with a wide range of technological devices with which to enrich students' learning experiences. This room has a 52-inch flat screen TV connected to cable. The TV is also connected to a zone-free DVD player and a document camera. The lounge has a ceiling-mounted data projector, which connects to a networked Mac computer, the DVD player and document camera.

General Departmental Regulations Students who plan to major in the Department are advised to begin course work in the first year. Those who want to fulfill the basic requirement in language by continuing one begun in secondary school will find it advantageous to begin their course work in the first year. The Department of Modern Languages strongly recommends that students complete their language requirement by the end of their sophomore year.

The Language and Culture Program This exciting residential option gives students the opportunity to hone their language skills and to participate in special cultural events. Students who choose this residential option will live in a small community of their peers who share their enthusiasm for language and culture study. Extracurricular activities and programming in the Language House support language acquisition and permit a closer relationship with professors and language assistants from the Department of Modern Languages.

Study Abroad Spanish major and minor students are highly encouraged to study in a Spanish-speaking country through an approved academic program. Courses must be approved by the departmental coordinator before going abroad in order to be considered for Spanish credit. The Spanish section will not evaluate a study-abroad course for transfer without evidence (syllabus, course description, reading list, etc.) of the content of the course. To receive Spanish language credit, study abroad courses must be pursued in Spanish, be content based, and be similar in quality and content to a Spanish course at Denison. Students are encouraged to take courses that enrich the Denison curriculum; neither technical courses nor orientation sessions can receive

academic credit. Summer programs: Students may study in an approved summer program that is at least 6 weeks long and 45 hours, minimum. One course will transfer towards a major/minor from summer study.

Course Offerings

Beginning Spanish I (SPAN-111) Students learn about the Spanish-speaking world while they start developing their Spanish linguistic skills in four basic areas (listening, speaking, reading, and writing). Students do a variety of written and oral activities that include formal and informal presentations, skits, short essays, etc. The course is conducted in Spanish. **4**

Beginning Spanish II (SPAN-112) Students continue learning about the Spanish-speaking world while they solidify their Spanish linguistic skills at the ACTFL novice level in the four basic areas (listening, speaking, reading, and writing). Students do a variety of written and oral activities that include formal and informal presentations, skits, short essays, etc. The course is conducted in Spanish. Prerequisite: SPAN 111 or placement. **4**

Introductory Topics in Spanish (SPAN-199) A general category used only in the evaluation of transfer credit. **1-4**

Intermediate Spanish (SPAN-211) Students further their knowledge of the Spanish-speaking world while developing a functional comprehension and use of spoken and written Spanish at the ACTFL novice-high/intermediate-low level. The course solidifies grammar structures and emphasizes the acquisition of cultural knowledge about the Spanish-speaking world through a wide variety of visual and written texts. Conducted in Spanish. Prerequisite: SPAN 112 or placement. **4**

Communication Skills (SPAN-213) Students will enhance their proficiency in oral and written Spanish, in order to solidify a low-intermediate ACTFL level. Students will develop skills such as summarizing, comparing, contrasting and synthesizing. Students will practice communicational abilities through discussions, oral presentations, debates, reports and film reviews. Audiovisual materials, Internet based resources and cultural readings will be frequently used texts. Conducted in Spanish. Prerequisite: SPAN 211 or placement. **4**

Writing Workshop (SPAN-215) Students develop their writing and analytical skills through an intensive writers' workshop, which includes linguistic, literary, and cultural analysis through grammar, readings, discussions, and essay. Students develop their writing through expository, argumentative, and analytical essay as well as other genres such as chronicle, journal, autobiography, and literary translation. Students will write, edit, and evaluate their work and that of their peers following models presented through readings organized around thematic units. Conducted in Spanish. Prerequisite: SPAN 213 or placement or permission of instructor. **4**

Introduction to Hispanic Literature (SPAN-220) What is literature? What is it good for? How is Hispanic literature different from literature written in English? Short stories, poems, plays and essays representative of various Spanish-speaking countries are read and analyzed in this class. Students will learn and practice the skills of close reading, informed discussion and analytical writing about literature. Students will develop an understanding of the nature of literary genres and literary concepts (themes, character, conflict, point of view, figurative language). Students will develop an appreciation of literature and the ability to interpret it by writing short analytical essays, doing oral presentations, reciting poetry and performing plays. Students will achieve an intermediate-mid ACTFL level. Conducted in Spanish. Prerequisite: SPAN 215 or placement. **4**

Introduction to Hispanic Cultures (SPAN-230) Students are introduced to important cultural characteristics and productions from both Latin America and Spain. This course offers a historical framework to identify, analyze and contrast fundamental cultural themes, actors and events. Students will develop analytical and critical skills to understand similarities and differences between Spain and Latin America. Students will achieve an intermediate-mid ACTFL level. Conducted in Spanish. Prerequisite: SPAN 215 or placement. **4**

Intermediate Topics in Spanish (SPAN-299) A general category used only in the evaluation of transfer credit. **1-4**

Creative Writing (SPAN-310) Students will enhance their skills in writing and composition through literary analysis, literary translation and practice of the craft of writing in different genres (drama, poetry, short story) in the Spanish language. Using the close reading of great works of Hispanic literature in the above-mentioned genres, students will learn to translate literary texts and to create literature of their own. Students will explore the process of writing, edit and evaluate their work and that of their peers. Prerequisite: SPAN 220 and 230. **4**

Translation Studies: Being Translingual and Transcultural (SPAN-314) This course introduces students to the existing world of translation. Students work with written texts, transferring text from a source language into a target language (Spanish-English and English-Spanish). This is far more than replacing one word with another: the translator must also convey the style, tone, and intent of the text. Focus is on the actual process of translation: what the translator does and why. Students will work mostly with literary and journalistic texts. Students will gain an understanding of different cultural communication styles. Students will familiarize themselves with the relationship between language and power, and the role of the translator as the "in-between" agent. Prerequisite: SPAN 215, 220, and 230. **4**

Grammar in Context (SPAN-315) Students will conduct an in-depth analysis of the Spanish grammatical system, which includes core areas of linguistics such as morphology, syntax, semantics, and pragmatics. Students will analyze the Spanish grammatical system in a wide variety of written and oral texts. For example, contrastive analysis will be used as a method of problem solving. Spanish will be the medium of instruction as well as the content area. Written work and oral presentations in Spanish should be produced at the ACTFL intermediate-high level. Conducted in Spanish. Prerequisite: SPAN 215, and either SPAN 220 or LACS 220 or SPAN 230 or LACS 230 **4**

Survey of Spanish Literature (SPAN-320) Students will analyze Spanish Literature from the Middle Ages to the Twentieth Century within its historical, sociocultural and artistic contexts. This course offers an overview of main literary periods, authors and genres. Students will examine a variety of texts and the outstanding characteristics of their authors. Students will engage in critical analysis of texts through research essays, creative projects and oral presentations, at the ACTFL intermediate-high level. Conducted in Spanish. Prerequisite: SPAN 215, 220, and 230. **4**

Transatlantic Myth Busters: The Black Legend (SPAN-322) Was Inquisition an evil machine created by the Spaniards to terrorize the world? Did the Spanish Empire rule over half of the world through fear and punishment? Is Spain a barbaric country? Students will address these and other questions that arose during the 16th and 17th centuries in Europe to analyze the expansion of the Spanish Empire. In this class, we will study different power relationships between Spain and Latin America and, Spain and Europe. Through historical, literary and cultural texts students will analyze the myth known as "The Black Legend" and learn about different social and political structures and discursive strategies that sustain power. Students will also explore how these have been transformed and survive nowadays. Prerequisite: SPAN 215, 220, and 230. **4**

Survey of Latin American Literature (SPAN-325) Students will analyze texts from Pre-Columbian times to the present within their historical, sociocultural and artistic contexts. This course offers an overview of main literary periods, authors and genres. Students will examine a variety of texts and the outstanding characteristics of their authors. Students will engage in critical analysis of texts through research essays, creative projects and oral presentations, at the ACTFL intermediate-high level. Conducted in Spanish. Prerequisite: SPAN 215, SPAN 220 or LACS 220, and SPAN 230 or LACS 230. **4**

Cultures of Spain (SPAN-330) Students will analyze how the different people of Spain conceive of and represent themselves, their attitudes, values and beliefs. Through a multidisciplinary approach, students will explore questions about national and regional identities, religious and ethnic communities, cultural movements and institutions, canon formation and popular culture. Following a historical perspective, students will examine the evolution of institutions, traditions and various artistic endeavors. Historical, cultural, philosophical texts will be the basis of this class. Students will hone the skills of interpreting, relating, categorizing, and critiquing cultural works and periods. Students will write analytical essays, present oral reports and take exams as part of the course evaluation. Students will achieve an ACTFL intermediate-high level. Conducted in Spanish. Prerequisite: SPAN 215, SPAN 220 or LACS 220, and SPAN 230 or LACS 230. **4**

Cultures of Latin America (SPAN-335) Students will analyze selected historical themes such as revolution, gender and sexual politics, Southern cone dictatorships, human rights, and memory. Students will work with a variety of texts: films, testimonies, performance art, and fine arts. Students will engage in critical analysis of texts through research essays, creative projects and oral presentations, at the ACTFL intermediate-high level. Conducted in Spanish. Prerequisite: SPAN 215, 220, and 230. **4**

Directed Study (SPAN-361) **1-4**

Directed Study (SPAN-362) **1-4**

Independent Study (SPAN-363) **1-4**

Independent Study (SPAN-364) **1-4**

Advanced Topics in Spanish (SPAN-399) A general category used only in the evaluation of transfer credit. **1-4**

Seminar in Language (SPAN-415) This course focuses on language and its applications. This means that we will discuss language as it relates to teaching and learning as well as to professional areas such as health, business or tourism. Moreover, we will explore the relationship between language and society. Students in this class will read and write different academic texts ranging from outreach texts to research proposals. **4**

Seminar in Peninsular Literature (SPAN-420) Study and discussion in depth of a selected topic, writer or work from Peninsular literature. Students will summarize, compare and contrast, synthesize and evaluate the literary works of an author or a specific literary group of writers. Students will hone their research skills and will demonstrate them through oral presentations, in-depth discussions, creative work, research papers, poster sessions, webpages, and wikis that meet the ACTFL intermediate-high/advanced-low level standards. This course will involve the writing of a research paper. Conducted in Spanish. Prerequisite: SPAN 320 or 325. **4**

Seminar in Latin American Literature (SPAN-425) Study and discussion in depth of a selected topic, writer or work from Latin America literature. Students will summarize, compare and contrast, synthesize and evaluate cultural themes, actors and events. Students will hone their research skills and will demonstrate them through oral presentations, in-depth discussions, creative work, research papers, poster sessions, web-

spaces, and wikis that meet the ACTFL intermediate-high/advanced-low level standards. This course will involve the writing of a research paper. Conducted in Spanish. Prerequisites: SPAN 320 or 325. **4**

Seminar in Spanish Culture (SPAN-430) Students will study and discuss in depth a selected topic, artist or creative work in the culture of Peninsular Spain. Building up on cultural structures studied in previous courses, students will advance personal critiques and evaluations of creative works. Students will hone their research skills and will demonstrate them through oral presentations, in-depth discussions, creative work, research papers, poster sessions, webspaces, and wikis that meet the ACTFL intermediate-high/advanced-low level standards. Conducted in Spanish. Prerequisite: SPAN 215, 220, 230, and 330. **4**

Seminar in Latin American Culture (SPAN-435) Students will study and discuss in depth a selected topic, artist, creative work or cultural period in Latin America. Students will summarize, compare and contrast, synthesize and evaluate cultural themes, actors and events. Students will hone their research skills and will demonstrate them through oral presentations, in-depth discussions, creative work, research papers, poster sessions, webspaces, and wikis that meet the ACTFL intermediate-high/advanced-low level standards. Conducted in Spanish. Prerequisite: SPAN 215, SPAN 220 or LACS 220, SPAN 230 or LACS 230, and SPAN 335. **4**

Seminar in Hispanic Transatlantic Culture (SPAN-440) Students will engage in an in-depth study of selected topics in the frame of the Atlantic World, which addresses the relations between the cultures of Peninsular Spain and Latin America from a transatlantic perspective. Students will question Western systems of thought, will interrogate structures of power and will develop new connections to the realities of the Hispanic World. Students will summarize, compare and contrast, synthesize and evaluate cultural themes, actors and events. Students will hone their research skills and will demonstrate them through oral presentations, in-depth discussions, creative work, research papers, poster sessions, webspaces, and wikis that meet the ACTFL intermediate-high/advanced-low level standards. Conducted in Spanish. Prerequisite: SPAN 215, SPAN 220 or LACS 220, SPAN 230 or LACS 230, and two courses at the 300 level. **4**

Senior Research (SPAN-451) **4**

Senior Research (SPAN-452) **4**

Theatre

Faculty

Associate Professor Mark Evans Bryan, Chair

Professor Cynthia Turnbull; Associate Professors Mark Evans Bryan, Cheryl Kennedy McFarren, Peter Pauzé; Assistant Professor James Dennen; Visiting Assistant Professor Eleni Papaleonardos; Technical Director of the Eisner Center Andrew Johns; Costume Shop Supervisor Joyce Merrilees; Academic Administrative Assistant, TBD

Departmental Guidelines and Goals

The goals of majors in theatre are twofold: first, to provide students with a working knowledge of the fundamental principles of each of the several arts of the theatre, offering opportunities for practical application of those principles in stage production; and second, to develop analytical skill, facility in problem-solving, historical perspective, and appreciation of aesthetic form.

Theatre

The programs in theatre aim to develop the skills of thoughtful inquiry, informed judgment, and imaginative response that are fundamental to the rewarding pursuit of any profession. In addition, these programs aim to provide a sound basis for graduate study in theatre.

Theatre Major

Required Courses - B.A.- 44 credits

- 100 Introduction to Theatre Studies (taken no later than 2nd semester of the sophomore year.)
- 110 Introduction to Theatrical Design
- 370 Directing: Realism
- 400 Theatre Seminar

One of the following:

- 230 Acting: Realism I
- 250 Acting: Pre-20th Century Styles
- 330 Acting: Realism II
- 360 Acting: Special Topics

Two of the following:

- 371 History, Literature, and Theory of Theatre: Premodern World
- 372 History, Literature, and Theory of Theatre: Early Modern Europe
- 373 History, Literature, and Theory of Theatre: Modern World
- 374 History, Literature, and Theory of Theatre: The Americas

Three elective courses in Theatre

A total of four credits of Practicum from at least two different Practicum courses

Theatre Minor: 22 credits

To minor in Theatre, students must take Theatre 100, 110; one each, Acting course (230, 250, 330, or 360), Theatre History, Literature, Theory course (371, 372, 373, or 374) and one elective Theatre course, as well as two credits of Practicum from different Practicum courses.

Course Offerings

Introduction to Theatre Studies (THTR-100) An introduction to the study of theatre as an academic discipline within the liberal arts, including its fundamental theories, principles, methods, and historical context. Intended for theatre majors, minors, and students who intend to take multiple theatre courses. **4**

Theatrical Style and Creation (THTR-105) This course will explore theatrical style and innovative theatre artists who have influenced theatrical production practices, and will investigate the process of various theatre artists within the framework of their goals, choices, and the historical moment. **4**

Presenting Theatre (THTR-106) This is an introductory course which will explore theatrical style, and innovative theatre artists who have influenced theatrical practices in historical and contemporary productions. Students will investigate the process of theatre artists within a framework of goals, choices and the historical moment. In addition, students will study the principles and skills of effective oral communication and develop those skills in discussion and presentation opportunities in class. **4**

Introduction to Theatrical Design (THTR-110) An introduction to the vocabulary and process of Scenic, Lighting, Costume, Sound, and Makeup Designers. Primary focus will be placed on an understanding of the elements and principles of design and their manipulation in the design process, as well as the development of visual analysis and observation through weekly creative projects. **4**

Practicum: Scenery Construction (THTR-120) A workshop laboratory in which students learn the fundamentals of scenic stagecraft through practical application in the department's scene shop. **2**

Practicum: Lighting and Electrics (THTR-125) A workshop laboratory in which students learn the fundamentals of electrics stagecraft through practical application in the department's lighting and electrics shop and theatres. **2**

Practicum: Costume & Makeup Running Crew (THTR-160) A workshop laboratory in which students serve on the costume and/or makeup running crew for a departmental theatre production. **1-2**

Practicum: Scenery & Lights Running Crew (THTR-165) A workshop laboratory in which students serve on the scenery and/or lights running crew for a departmental theatre production. **1-2**

Practicum: Performance (THTR-170) A workshop laboratory in which students perform in a departmental theatre production. **1**

Practicum: Special Topics (THTR-175) A production workshop and directed study in which a student serves in some special capacity for a departmental theatre production. **1-4**

Costume Crafts I (THTR-180) An introductory hands-on course for students interested in learning construction techniques used in the creation of costumes for the stage. Students will develop their sewing skills and learn basic concepts in patterning, fitting, fabric modification, and corset construction. **2**

Costume Crafts II (THTR-185) A hands-on course for students interested in learning construction techniques used in the creation of costumes for the stage. Each student will be developing more advanced sewing and costume construction skills. The course will cover draping and millinery and accessories construction. **2**

Special Topics in Theatre (THTR-195) This course will explore a variety of special topics in the Theatre Arts. **1-4**

Introductory Topics in Theatre (THTR-199) A general category used only in the evaluation of transfer credit. **1-4**

Fashion: History, Culture and Identity (THTR-200) An introduction of basic fashion theory and the visual communication of clothing through the study of Western dress with emphasis on how the "fabric" of each period (i.e., the trends in thought, art, culture, politics, and economics) made its impression on the fashion of the day. **4**

Acting: Realism I (THTR-230) A studio course in the fundamental techniques of realistic acting. The course explores the demands and conventions of realistic acting through the theories and writing of Konstantin Stanislavsky. Students will study and carry out numerous in-class exercises, pioneered by Stanislavsky, that develop actor skills through exploration of "work on the self and work on the role." Character will be explored through the use of vocal and physical control, script analysis, and the active pursuit of objectives. Participants in this course will perform improvisations, monologues, and scenes. Written work will include character analyses, research papers, and critical review of outside performances. **4**

Acting: Pre-20th Century Styles (THTR-250) A studio course in the fundamental techniques of stylized acting traditions popularized before the twentieth century. Exploration of the vocal demands created by the patterns, images, and rhythms built into verse and heightened dialogue. Physical life is defined through the examinations of historical space, time period, and costume. The creation of character is linked to the development of mask and dramatis personae. Periods and styles of exploration may include Greek, Shakespeare, Comedy of Manners, Commedia, and Farce. Performances will include sonnets, soliloquies, and scenes. Prerequisite: THTR 230. **4**

Playwriting: Form, Structure, Narrative (THTR-290) An introductory course in the writing of drama. The course will involve the reading and discussion of assigned play texts as well as of peer-student writing. Students will complete weekly reading assignments, weekly written response assignments, and a series of creative exercises focused on technique, structure, and storytelling. Students will also have in-class workshop opportunities and the responsibility to engage in critical dialogues with their classmates. The final project is a short, original script. **4**

Special Topics in Theatre (THTR-295) This course will explore a variety of special topics in the Theatre Arts. **1-4**

Intermediate Topics in Theatre (THTR-299) A general category used only in the evaluation of transfer credit. **1-4**

Costume Design (THTR-300) An advanced studio course concentrating on specific problems in costume design. There will be an emphasis on textual analysis, style, visual character development, and rendering techniques. Prerequisite: THTR 110. **4**

Scenic Design (THTR-310) A study of the basic theories and practices of theatrical scenic design and the role and function of the scenic designer. The course will examine the scenographic process from initial concept through finished design, including the principles and issues of visual design, sketches, mechanical drawings, CAD, color renderings, and scaled models. Prerequisite: THTR 110. **4**

Lighting Design (THTR-320) A study of the basic theories and practices of theatrical lighting design and the role and function of the lighting designer. The course will examine the design process from initial concepts through finished design, including basic electrical theory, lighting instruments and lamps, lighting control systems, characteristics of light, use of color, and creating the light plot using CAD. Prerequisite: THTR 110. **4**

Acting: Realism II (THTR-330) Primarily a continuation of THTR 230, a brief review of the basic work precedes the study of a great variety of approaches to arguably the most dominant style of performance: realism. This course combines class exercises and scene study to deepen the understanding and playing of action in the realistic mode. Special attention is given to the development of acting theory and practice in America in the 20th century. The integration of character-specific movement, dialects, and personalization are given special attention. Prerequisite: THTR 230. **4**

Practicum: Assistant Costume Designer (THTR-340) A production workshop and directed study in which the student serves as Assistant Costume Designer for a departmental theatre production. **2**

Practicum: Assistant Scenic Designer (THTR-345) A production workshop and directed study in which the student serves as Assistant Scenic Designer for a departmental theatre production. **2**

Practicum: Assistant Lighting Designer (THTR-350) A production workshop and directed study in which the student serves as Assistant Lighting Designer for a departmental theatre production. **2**

Acting: Special Topics (THTR-360) Intensive work on a specific acting problem. The subject will vary from year to year. Possible topics include: new approaches to developing roles, various styles and theories of acting, interdependency of design and movement, and working with new scripts. Repeatable. By consent. **4**

Directed Study (THTR-361) **1-4**

Directed Study (THTR-362) **1-4**

Independent Study (THTR-363) **1-4**

Independent Study (THTR-364) **1-4**

Directing: Realism (THTR-370) This course in the art of directing for the stage explores the philosophies and techniques of prominent contemporary directors in a historical context. Students perform practical exercises in proscenium staging, text analysis, scheduling, directorial concepts, developing ground plans, actor coaching, and tracking of dramatic action. Various systems of leadership are defined and explored. Teaching methods include lecture, class discussion, and in-class projects. Prerequisite: THTR 230. **4**

History, Literature, and Theory of the Theatre: Premodern World (THTR-371) This course explores the relationship among theatrical storytelling traditions and the cultures and audiences that produced them from ancient Africa, Turkey, and Greece to medieval Europe, and the Middle East. Major topics of investigation will include evidence of prehistoric theatre forms, ancient Egyptian and pre-Hellenistic theatre and drama in the Mediterranean world, classical and late Hellenistic drama and performance, republican and imperial Roman drama and theatre, civilization, the religious and secular theatre of medieval Christian Europe, and the early theatre forms of the Islamic world. Course readings combine primary sources, secondary analyses, and drama and theory texts. Sophomore-Junior-Senior status. **4**

History, Literature, and Theory of the Theatre: Early Modern Europe (THTR-372) This course explores the tremendous changes in dramatic and performance theory, entertainment culture, dramatic literature and performance, and theatrical production during the early modern period in Europe. Beginning with the Italian Renaissance, the course investigates the drama and theatre of the major theatre cultures of the early modern era—Italy, England, Spain, and France, with a special focus on the English drama—in the context of the rapidly changing culture of European nationalism, mercantilism, and colonialism. Course readings combine primary sources, secondary analyses, and drama and theory texts. The goals of this course are: to discuss the major movements and processes of early modern European theatre during the period of the “Renaissance,” exploring drama, contemporaneous performance theory, and the evidence of performance in Italy, England, Spain, and France (and especially in the cities of Florence, London, Madrid, and Paris); to interrogate the received histories of theatre and dramatic storytelling, the nineteenth- and twentieth-century Euro-American historiographical traditions; and, to practice the craft of the theatre scholar, exercising and refining critical, analytical, and research skills in discussion and four writing assignments (historiographical/critical essay, analytical essay, prospectus, and research project) in the context of a Writing Intensive seminar at Denison. **4**

History, Literature, and Theory of the Theatre: Modern World (THTR-373) This course explores dramatic and performance theory, entertainment culture, and theatrical production during the modern era from the rise of romanticism in Europe at the end of the eighteenth century to the theatre forms that characterized the post-WWII period. Course readings combine primary sources, secondary analyses, and drama and theory texts. Sophomore-Junior-Senior status. **4**

History, Literature, and Theory of the Theatre: Theatre of the Americas (THTR-374) THTR 374 explores the history of performance, entertainment culture, and theatrical production from pre-Columbian cultures to the popular theatre/performance traditions of the contemporary Americas. Course readings combine primary sources, secondary analyses, and drama texts in English and in translation. Though a significant portion of this course is devoted to the complicated social and artistic forces that produced the current theatre and entertainment cultures in British North America and the United States, THTR 374 also explores theatre traditions in Spanish-speaking North America, Spanish- and French-speaking Caribbean cultures, and Spanish- and Portuguese-speaking South America. The goals of the course are to introduce the major movements, events, and processes of theatre and performance in the Americas from precolonial evidence to the twenty-first century by exploring drama, performance theory, and evidence of theatrical practice; to assess the historical context and relationships among the theatre and other art forms in the Americas; to interrogate the received histories of theatre and dramatic storytelling (i.e. the nineteenth- and twentieth-century Euro-American historiographical traditions); to debate and discuss major texts in performance and drama theory; and to practice the craft of the theatre scholar, exercising and refining critical, analytical, and research skills in discussion and four writing assignments (the critical essay, the analytical essay, the prospectus for research, and the research project) in the context of a Writing Intensive seminar at Denison. **4**

Practicum: Assistant Director (THTR-375) A production workshop and directed study in which the student serves as Assistant Director for a departmental theatre production. **2**

Directing: Special Topics (THTR-376) This course builds on the fundamentals of composition and staging covered in "Directing: Realism." Elements of composition are reviewed, rethought, and applied to Arena and Thrust stage configurations. Simultaneous movement, symmetrical picturization, and other unrealistic techniques are considered in terms of staging. Collaborative processes with designers will be explored as well as further methods of working with actors. Special attention is given to abstract story telling, musical theatre and opera, dreamscapes, and contemporary drama and comedy. Prerequisite: THTR 370. **4**

Practicum: Stage Manager (THTR-380) A production workshop and directed study in which the student serves as the Stage Manager for a departmental theatre production. **2**

Reynolds Playwriting Workshop (THTR-390) An advanced playwriting workshop conducted by the Reynolds Playwright-in-Residence. The Jonathan R. Reynolds Playwright-in-Residence endowment provides for a visiting playwright of national or international renown to teach in the Department of Theatre for one semester, every other academic year. The course's content is dependent upon the visiting artist, but the course will typically involved explorations into technique and form and the writing of a major creative project. Past Reynolds Playwrights have included Arnold Wesker, Lee Blessing, Jeffrey Hatcher (DU '80) and Caridad Svich. Prerequisite: THTR 290 or consent. **4**

Special Topics in Theatre (THTR-395) This course will explore a variety of special topics in the Theatre Arts. **1-4**

Advanced Topics in Theatre (THTR-399) A general category used only in the evaluation of transfer credit. **1-4**

Theatre Seminar (THTR-400) Intensive study of a major playwright, genre, form, or context of dramatic literature; of historical, cultural, aesthetic significance of theatre production during a specific period or particular movement in the history of the theatre; or, of specific movements or artists in design, acting, directing, or other fields of theatre production and performance. The seminar topics will vary. Repeatable. Junior/Senior standing and consent of instructor. **4**

Playwriting: Workshop (THTR-430) A workshop course in the writing of drama. The course will involve the reading and discussion of assigned play texts and peer-student writing. Each student will work on a major creative project throughout the semester. Evaluation of a student's work will be based on this project, participation in workshop performance and discussion, and a portfolio of drafts and revisions. The course will conclude with staged readings or performances of the major projects. Prerequisite: THTR 290 or ENGL 237 or CINE 328 or consent. **4**

Senior Project: Acting (THTR-450) The student serves as an Actor for a departmental theatre production. Prerequisite: Three of the following courses: THTR 230, 330, 240, 250, 360, or consent. **4**

Senior Research (THTR-451) Senior standing and consent from the instructor. **4**

Senior Research (THTR-452) Senior standing and consent from the instructor. **4**

Senior Project: Directing (THTR-455) The student serves as Director for a departmental theatre production. Prerequisite: THTR 100, 110, 270, 280, and one acting class. **4**

Senior Project: Costume Design (THTR-460) The student serves as Costume Designer for a departmental theatre production. The focus will be placed on the process, analysis, research and analytical skills of the designer within the framework of a practical project. Prerequisite: THTR 110, 180, 200, 300, 340, or consent. **4**

Senior Project: Scenic Design (THTR-465) The student serves as Scenic Designer for a departmental theatre production. Prerequisite: THTR 110, 210, 120, or consent. **4**

Senior Project: Lighting Design (THTR-470) The student serves as Lighting Designer for a departmental theatre production. Prerequisite: THTR 110, 220, 125, or consent. **4**

Special Project: Special Topics (THTR-475) The student serves in some capacity on a departmental theatre production. Prerequisite: To be decided on a case by case basis. **4**

Special Topics in Theatre (THTR-495) This course will explore a variety of special topics in the Theatre Arts. **1-4**

Women's and Gender Studies

Faculty

Professor Gill Wright Miller (Professor of Dance and Women's and Gender Studies), Director

Faculty: Clare Jen, Associate Professor of Biology and Women's and Gender Studies; Toni King, Associate Professor of Black Studies and Women's and Gender Studies; Isis Nusair, Associate Professor of International Studies and Women's and Gender Studies; Robin Bartlett (Economics, Women's and Gender Studies), Jessica Bean (Economics, Women's and Gender Studies), Hanne Blank (Women's and Gender Studies), Marlaine Browning (Queer Studies, Women's and Gender Studies), Elizabeth Castle (Queer Studies, Women's and Gender Studies), Gabrielle Civil (Women's and Gender Studies), Susan Diduk (Anthropology and Sociology, Women's and Gender Studies), Barbara Fultner (Philosophy, Women's and Gender Studies), Karen Graves (Educational Studies, Women's and Gender Studies), Fareeda Griffith (Anthropology and Sociology, Women's and Gender Studies), Amanda Gunn (Communication, Women's and Gender Studies), Melissa Huerta (Modern Languages, Women's and Gender Studies), Sarah Hutson-Comeaux (Psychology, Women's and Gender Studies), Rebecca Kennedy (Classics, Women's and Gender Studies), Maia Kotrosits (Religion, Women's and Gender Studies), Linda Krumholz (English, Women's and Gender Studies), Sara Lee (Physical Education, Women's and Gender Studies), Diana Mafe (English, Women's and Gender Studies), Michael Morris (Dance, Women's and Gender Studies), Christine Pae (Religion, Women's and Gender Studies), Karen Powell-Sears (Anthropology and Sociology, Women's and Gender Studies), Sandy Runzo (English, Women's and Gender Studies), Megan Threlkeld (History, Women's and Gender Studies), Hoda Yousef (History, Women's and Gender Studies), Sheilah Wilson (Studio Art, Women's and Gender Studies)

Staff: TBD (Academic Administrative Assistant & Coordinator of the Laura C. Harris Symposium)

Departmental Mission and Goals

Mission Statement The Women's and Gender Studies Program at Denison University takes its mission to be three-fold: to foster a critical awareness of, and intellectual sensitivity to, content, method and real-life implications of the field.

Our goal is to engage students in the intellectual content of the discipline: theories about power and intersecting dimensions of human difference; articulations about gendered subject formations and politicized aspects of "identities," including race, class, age, religion, sexuality; knowledge sharing of women's life experiences, histories, and visions; and significant areas of feminist thought and action, including transnationalism, post-coloniality, embodiment, technoscience, and intersectionality.

Also, guided by methods that are inflected by interdisciplinarity, we aim to engage students in questioning issues of power and justice, privilege and oppression, in disciplines, such as anthropology, biology, black studies, communication, dance, education, international studies, literary studies, political science, sociology, philosophy, psychology, etc., while developing understanding of these issues from an interdisciplinary and interconnected perspective.

We aim to engage students in the quotidian implications of their academic engagement by challenging them to experience the relationship between theory and practice. We strive to expose students to concepts concerning how the academic study of race, class, and gender both locally and globally, is informed by, and has the power to, transform lives.

Curricular Goals Denison's Women's and Gender Studies faculty are dedicated to helping students develop rigorous analyses of culture, politics, ideas and text, as well as creative leadership skills. We hope to impart

to our students the history, analysis and practice of feminist scholarship, means of creative expression for their intellectual interests and concerns, and political service and activism.

Students are required to take an introductory course (WGST 101), a feminist methods course (WGST 310), and a feminist theory course (WGST 311), as well as to engage in a senior practicum--a research, activist, or artistic experience that involves sustained activity in community engagement and written response (WGST 451-452). Additionally, students are required to select additional courses, most of which are cross-listed, according to WGST guidelines and their own interests.

The required courses in the major and minor explore gender and justice issues, provide the methods and information to conduct rigorous analysis, engage our students in ways that challenge them to expand their thinking about the material they meet in the world, and give them the opportunity to embody feminist pedagogies. The elective courses will do the same in the context of their fields of study.

Students have the opportunity of participating in a variety of internships located throughout the country that acquaint them with gender issues. Students are encouraged to develop leadership skills by taking an active part in campus life, including engaging in projects developed inside and outside the academic program and the Center for Women's and Gender Action. As examples, projects have included a national grant application, a campus-wide study on violence, and a benefit concert.

The Women's and Gender Studies Program sponsors regular symposia on gender issues that include presentations by Women's and Gender Studies faculty as well as Women's and Gender Studies scholars from abroad and the United States. With the support of the Laura C. Harris endowment, the Women's and Gender Studies Program has hosted internationally renowned scholars including Linda Alcoff, M. Jacqui Alexander, Gloria Anzaldúa, Judith Butler, Angela Davis, Cynthia Enloe, Anne Fausto-Sterling, Nancy Fraser, Jack Halberstam, bell hooks, Ericka Huggins, and Winona La Duke. Program members also participate in the Great Lakes Colleges Association, which provides conferences for Women's and Gender Studies students and faculty. The Women's and Gender Studies program has an institutional membership in the National Women's Studies Association (NWSA), and has, in the past, sponsored student memberships and conference participation.

Women's and Gender Studies Major

Women's and Gender Studies majors are required to take a total of 32 credit hours. Students may sign up for a course either under the department number or under the Women's and Gender Studies number. Both numbers will count toward the Women's and Gender Studies major or minor. No more than two courses at the 100 level may count toward the major. All Women's and Gender Studies majors must take the following:

1. Required core courses:
 - WGST 101 Issues in Feminism (4 credits)
 - WGST 310 Feminist Research Methods (4 credits)
 - WGST 311 Feminist Theory (4 credits)
 - WGST 451 or 452 Senior Practicum (4 credits)
2. One course on women of color in the United States (4 credits)
3. One course on transnational feminism (4 credits)
4. Three courses cross-listed with three of the four divisions of the college: Humanities, Fine Arts, Social Sciences, and Sciences. These courses may also satisfy the requirements of II and III.
5. At least one of the above courses must be cross-listed with Black Studies.

Women's and Gender Studies Minor

Women's and Gender Studies minors are required to take a total of 24 credit hours. No more than two courses (including WGST 101) will be at the 100-level. All Women's and Gender Studies minors must take the following:

1. Required core courses:
 - WGST 101 Issues in Feminism (4 credits)
 - WGST 310 Feminist Research Methods (4 credits)
 - WGST 311 Feminist Theory (4 credits)
 2. One course cross-listed with Black Studies (4 credits)
 3. One course on transnational feminism (4 credits)
- Requirements II and III may be satisfied by the same course.
4. One additional elective in WGST or cross listed with WGST.

Students are encouraged to consult with the Director of Women's and Gender Studies in making their choices.

Course Offerings

Issues in Feminism (WGST-101) An introduction to the field of Women's and Gender Studies, this interdisciplinary course considers the socio-political meanings and practices of gender in our lives. It examines whether gender is biological or socially constructed and how notions of femininity and masculinity are (re)produced. Students will analyze the workings of power and the social production of inequality in institutions such as the family, the workplace, and the state, taking into account the intersections between gender, race, class, ethnicity, nationality, and sexuality. Topics will include sexual and gender violence, equal rights, reproductive technologies, body image, and transnational feminist issues. A central aim of the course is to develop critical reading and thinking about the plurality of women's experiences and about the ways in which women have resisted inequalities and engaged in local/global politics for social transformation and change. This course fulfills the Interdivisional (I), Power and Justice (P), and Oral Communication (R) GE requirement.

4

Sex, Gender & the Brain (WGST-103) 4

Bible, Gender, and Sexuality (WGST-108) This course introduces students to the many conflicted attitudes and images around men, women, and sexuality found in the Bible, from the very different creations of Adam and Eve to Revelation's representation of the Roman Empire as the "whore" of Babylon; from the assertive and sexually suspicious female figures of Ruth and Rahab to Jesus' uncertain masculinity in accounts of his death. We will ask: does the Bible support heterosexuality and decry homosexuality? In addition to close, historically-oriented study of select biblical texts, students will be acquainted with core readings in contemporary gender theory. 4

Biology & the Politics of Women's Health (WGST-110) This course examines critical conversations in the biology, politics, culture, and history of women's health. The nation's greatest health issues include, but are not limited to, unmanaged chronic conditions (including cardiovascular health), environmental health risks and cancer, racial and ethnic health disparities, women's reproductive and sexual health, and the epidemic of obesity. Evaluating the complexities of these "women's health" issues involves both scientific literacy and socio-cultural literacy. This course provides a fundamental understanding of how biological system structures and functions are related, specific to the female human body. The laboratory component of this course familiarizes students with the scientific method, feminist theory in science, and methods in women's

health research. This course promotes proficiency in oral communication through practice in a variety of formats that typically occur in biology and women's and gender studies. Cross-listed with BIOL 110. **4**

Self-Defense for Women (WGST-162) This course is for women to learn basic self-defense techniques to prevent sexual assault. We will discuss and practice strategies that can be used in a variety of self-defense situations, including street and job harassment, date-rape, and stranger assault, fighting from the ground, defending yourself with or against a weapon, and defense against multiple attackers. Students will learn to combine mental, verbal and physical self-defense techniques in their personal lives. Cross-listed with PHED 162. **1**

Special Topics in Women's and Gender Studies (WGST-180) 4

Introductory Topics in WGST (WGST-199) A general category used only in the evaluation of transfer credit. **1-4**

Sex and Gender in Society (WGST-210) This course compares and evaluates a variety of theories which attempt to explain the origins, persistence and effects of gender in American society. In particular, it explores a number of settings that may include: the family, the work place, the political arena, religious activity, violence against women, and face-to-face interactional contexts. Special attention is given to the ways in which race, ethnicity, class and sexual orientation shape gender experiences. Although its primary focus is American society, the course compares problems of sexual inequality in American society with other, quite different, societies in order to gain a comparative understanding of how discrimination, prejudice, and structural inequality, wherever they are found, create special problems for women. Throughout, the focus is on learning to use structural, historical, and theoretical information as guides to understanding social change and the choices facing women and men. Cross-listed with ANSO 210. **4**

Queer Theory (WGST-211) An interdisciplinary course designed to introduce students to historical and theoretical treatments of topics such as the essentialism vs. constructionism debate; intersections of race/gender/class and sexual orientation; science and representation; performativity and normativity; and ethics, politics and law. **4**

Race and Ethnicity (WGST-212) 4

Women in Music (WGST-220) Historically, women have played an integral role in musical traditions around the world, although the extent of their contributions has only recently been recognized and studied in an academic context. This course traces the development and current state of women's roles in music, including Western art music composers, performers, critics, and teachers; performers of popular American genres such as jazz, country, and rock; and performers of popular "World Beat" and traditional world musics. Cross-listed with MUS 220. **4**

Women in United States History (WGST-223) This course surveys the history of women in the United States from 1848 to the present. We will explore the lived experiences of many different kinds of women and analyze the ways in which other categories of identity -- race, ethnicity, nationality, class, sexual orientation, age, etc -- affect those experiences. We will also explore the development of feminist consciousness among U.S. women, and analyze attempts to expand that consciousness both nationally and globally. Cross-listed with HIST 192. **4**

Women in Literature (WGST-225) Selected poetry and prose by women guide inquiries into writing and gender and into related issues, such as sexuality, history, race, class, identity and power. Cross-listed with ENGL 225. (Fall) **4**

Women's Spiritual Activism (WGST-227) What is women's spiritual activism in our contemporary society? What can we learn from those who have struggled to bring gender equality and peace in human society? Is religion anti-feminist or feminism anti-religious? In spite of cultural, racial and religious diversity among women across the globe, women often share the similar stories of physical and psychological suffering caused by their institutionalized religions and societies. Many of these women also testify that their religions enabled them to resist injustice and to build up solidarity with others including men. This course invites the students to explore the spiritual journeys of the feminist activists---their struggles for justice for all humanity. Cross-listed with REL 227. **4**

Mediating Gender and Sexuality (WGST-229) We will critically examine and evaluate the cultural construction and representation of gender and sexuality in contemporary American mass media, and trace their development throughout the 20th century. We will focus on a variety of mass-produced commercial media texts, surveying television, magazines, advertising, and popular music. Although gender is the primary identity construction examined in this course, we will pay close attention to other aspects of identity that define American women, such as ethnicity, class, and sexuality. We will investigate representational issues in relation to their political repercussions, and draw from a broad range of academic literature, including feminist television criticism, film theory, cultural studies, communication theory, and popular music criticism. Cross-listed with COMM 229 and QS 229. (Fall) **4**

Topics in Women's and Gender Studies (WGST-250) This course may satisfy one of the distribution requirements for the Women's and Gender Studies major. Topics for 2015-16 include 'Gender and Revolution In the Middle East and North Africa' (Fall). 'Empowering Girls', and 'Latinx: Identities, Sexualities and Feminisms' (Fall) **4**

Intermediate Topics Seminar (Humanities) (WGST-251) This topics seminar is cross-listed with a course in the Humanities and satisfies the humanities distribution requirement for the Women's and Gender Studies major. **4**

Intermediate Topics Seminar (Arts) (WGST-252) This topics seminar is cross-listed with a course in the Arts and satisfies the arts distribution requirement for the Women's and Gender Studies major. Topics for 2015-16 include: 'OnStage/OffStage: Dancing Gender and Sexuality' (Fall) **4**

Intermediate Topics Seminar (Social Science) (WGST-253) This topics seminar is cross-listed with a course in the Social Sciences and satisfies the social science distribution requirement for the Women's and Gender Studies major. **4**

Intermediate Topics Seminar (Sciences) (WGST-254) This topics seminar is cross-listed with a course in the Sciences and satisfies the science distribution requirement for the Women's and Gender Studies major. **4**

Black Women and Organizational Leadership (WGST-265) This class explores Black women's leadership orientations in organizations. Afrocentric and womanist frameworks are used to inquire about Black women's leadership in the context of their lives. In this course we explore and theorize Black women's use of communal and generative leadership orientations as well as their application of a multiple and oppositional consciousness. Organizational dilemmas stemming from their race, class, and gender, as well as the unique challenges Black women leaders face in creating a supportive life structure are examined. Students will critique the omission of Black women's leadership styles in the mainstream theories about leadership, as well as explore the implications of Black women's leadership for expanding mainstream theory. Cross-listed with BLST 265. (Fall) **4**

Cultural Studies (WGST-274) We will frame Western concert dance as a complex political activity made public through various agendas of race, creed, national origin, sexuality, and gender. Students may simultan-

ously be exposed to poststructuralist epistemology, feminist theory, and power & justice ideology while they are meeting a survey of historical works. In this way, the course is less about coming to know a canon of "masterworks" and more about learning how to interrogate dance in many cultures from multiple perspectives. Students will be expected to engage in movement activities as a method toward an embodied understanding of theory, but will not be evaluated on their movement performance or ability. No dance experience necessary. May be cross-listed with Dance, Black Studies and/or Queer Studies. **4**

Philosophy of Feminism (WGST-275) Feminism can radically challenge traditional ways of doing philosophy. In asking why women and women's experience seem to be missing from the tradition of philosophy, it implicitly questions philosophy's claim to objectivity, universality, and truth. Thus, feminist criticism probes some of the most fundamental philosophical assumptions about our knowledge of and interaction with the world and other people. Are there philosophically significant differences between men and women? If so, what are their implications? What, if any, are the differences among women and what is their significance? This course focuses on the problem of violence against women, in its many manifestations, in order to examine these and other questions in the context of contemporary feminist discussions of epistemology, ethics, and science. Cross-listed with PHIL 275. Prerequisite: One previous course in Philosophy or Women's and Gender Studies or consent. **4**

Gender, War and Conflict (WGST-276) This course aims to make feminist sense of contemporary wars and conflicts. It analyzes the intersections between gender, race, class, and ethnicity in national conflicts. The class traces the gendered processes of defining citizenship, national identity and security, and examines the role of institutions like the military in the construction of femininity and masculinity. The course focuses on the gendered impact of war and conflict through examining torture, mass rape, genocide, and refugee displacement. It analyzes the strategies used by women's and feminist movements, to oppose war and conflict, and the gendered impact of war prevention, peacekeeping, and post-war reconstruction. The class draws on cases from Africa, the Americas, Asia, Europe, and the Middle East and North Africa. The class is interdisciplinary and gives equal weight to theory and practice while drawing on writings by local and global activists and theorists. Prerequisite: INTL 100 or WGST 101. (Offered in Spring) **4**

Intermediate Topics in Women's and Gender Studies (WGST-299) A general category used only in the evaluation of transfer credit. **1-4**

Psychology of Women (WGST-301) This course reviews psychological research and theories on women. Topics include sex bias in psychological research, gender differences and similarities in personality and abilities, lifespan development, problems of adjustment and psychotherapy, language and communication, women's health, female sexuality, and violence against women (rape and wife battering). Cross-listed with PSYC 301 and QS 301. Prerequisite: WGST major, or PSYC 100, PSYC 200, and junior or senior status, or consent. **4**

Women and the Arts (WGST-302) This course will consider how women artists have expressed what goes into the building of a home. We will think about different settings (during peacetime, wartime, in various cultures with or without partners and/or families), in different individual needs and tastes, and different genres for the recording of that expression. This will entail four kinds of considerations: First, we will read sections from *Timeless Way of Building*, *Language of Landscape* and *House Thinking*; then we will deconstruct those readings to explore issues addressed by feminist theory, issues like comparable worth, coming to voice, single-parenting. All the while we will look at those issues expressed in artworks by and about women -- paintings, dances, music, novels, short-stories, and finally over the course of the semester, we will create a work ourselves around a physical dwelling -- whether that means dressing a window, painting a wall, or making something physical happen within it. No dancing involved. **4**

Transnational Feminism (WGST-306) This class provides students with the ability to understand, critique, and comparatively analyze the politics of gender in transnational contexts. The course traces the development of feminist thinking and practice within national, regional and transnational contexts, and maps the political agendas of women's and feminist movements in various countries around the world. The course focuses on how feminism emerges in a particular context and the specific issues that galvanize women to act for change. The course explores the connections between feminism, colonization, nationalism, militarization, imperialism, and globalization, and analyzes the processes by which the agendas of women from the global north and south come together or clash. The course examines through specific examples from Africa, the Americas, Asia, Europe, and the Middle East and North Africa the concerns and challenges facing transnational women's and feminist movements today. The class is interdisciplinary and draws on writings by local and global activists and theorists. **4**

Feminist Research Methods (WGST-310) This course examines both scientific methods and social analysis based on empirical research and the interpretive strategies that have developed out of the humanities for understanding societies. It provides experience in the design and implementation of social and cultural research with a focus on women's studies. The course will examine the epistemological issues that underlie research in women's and gender studies, the ethical and political questions involved, and the assumptions that shape various methods. Students will apply the methods learned to their own research projects. Prerequisite: WGST 101 or consent. (Offered in Fall) **4**

Feminist Theory (WGST-311) This course examines various ways of understanding gender by looking at a variety of feminist theories. Theories studied may include psychoanalytic, feminist theory, cultural materialist feminist theory, etc. Particular consideration will be given to issues raised by multiculturalism, women of color, womanist perspectives, queer theory, class concerns, international and transnational movements. The course will introduce students to a variety of theories to enable them both to recognize and use those theories in their research and social practice. Students will be encouraged to become reflective about their own theoretical stances and to consider how societies can move closer to justice for both women and men. Prerequisite: WGST 101 or consent. (Offered in Spring) **4**

Families, Sexuality and the State (WGST-313) In this seminar we explore the ways in which race, ethnicity, social class and sexuality shape family/kinship structures in and beyond the contemporary U.S. We explore specific issues including sexuality and kinship; reproductive technologies and surrogacy; transnational families; and women's political activism in the context of families. These issues are explored using sociological, anthropological, and feminist theories. Cross-listed with SA 313. Prerequisite: ANSO 100 or WGST 101 or consent. **4**

Women in Sport (WGST-320) This course is designed to give students a comprehensive look at women in sport: past, present and future. This course will examine, analyze and synthesize the issues surrounding women. Each topic will be studied through readings, films, class discussions and reflect sport from historical, psychological, sociological, physiological, political and philosophical perspectives. Cross-listed with HESS 101. **4**

Transgender Studies/Transgender Issues (WGST-323) This course offers an introduction to the growing interdisciplinary field of Transgender Studies, focusing on key figures and writings that contributed to its development. Transgender Studies is primarily concerned with directing critical concentration on the diversity and politics of gender, the embodied experience of transgender people, as well as the material conditions and representational strategies that surround, enable, and constrain trans* lives. We will consider relevant selections of scholarship in feminist, queer, and transgender studies; first-person and autobiographical writings by transgender people; and media representations of transgender people and politics that are shaping perspectives of gender within our contemporary cultural moment. Transgender scholarship and perspectives made available

by transgender lives provide opportunities to consider and critique the range of apparatuses and systems of regulations that produce the limits and frontiers of embodying sex and gender. **4**

African-American Women's Literature (WGST-325) Historical and contemporary African-American women's literature grounds an inquiry into black women's literary and intellectual traditions within the matrix of race, gender, class and sexual relations in the United States. Cross-listed with ENGL 325. **4**

Women and Social Ethics: In the Global Context (WGST-327) "The personal is internationally political!" Whether we are aware or not, we live in the globalized world and our actions here and now affect the lives of millions of people whom we may never meet face to face. Through the religious concept of "interdependence" with the secular understanding of "women's rights as human rights," this course will analyze and explore globalized issues of poverty, war, sex-trafficking, migration, reproductive rights, and religious conflict as well as ethically consider how diverse social groups are interconnected to each other beyond national and religious boundaries; and how we study, analyze, and practice transnational feminist activism for all humanity. **4**

Gender and Communications (WGST-329) This course focuses on (1) the role of interpersonal, social and political communication in the construction of gender expectations in American culture, and (2) how those expectations get communicated/performed, and thus reified, in our daily lives. We will explore the complex interplay between self expectations and social expectations of gender that get expressed, challenged, and ultimately influenced by and within a variety of social and interpersonal contexts: education, the body, organizations, friends and family, romantic relationships, the media, and politics. Cross-listed with COMM 329. Prerequisite: COMM 280 and COMM 290, or WGST major. **4**

In the Company of Educated Women (WGST-340) This is a course on women's educational history in the United States. The scope encompasses some general patterns in women's educational experiences—as students, teachers, school administrators, and in higher education at particular points in U.S. history. Examining gender issues in historical context allows us to get a handle on how education, ideology, and political economy influence the contours of societies, and limit or extend possibilities for individuals. **4**

Advanced Topics in Women's and Gender Studies (WGST-350) This course may satisfy one of the distribution requirements within the major, as appropriate. Prerequisite WGST 101. **4**

Advanced Topics Seminar (Humanities) (WGST-351) This topics seminar is cross-listed with a course in the Humanities and satisfies the humanities distribution requirement for the Women's and Gender Studies major. **4**

Advanced Topics Seminar (Arts) (WGST-352) This topics seminar is cross-listed with a course in the Arts and satisfies the arts distribution requirement for the Women's and Gender Studies major. **4**

Advanced Topics Seminar (Social Sciences) (WGST-353) This topics seminar is cross-listed with a course in Social Sciences and satisfies the social science distribution requirement for the Women's and Gender Studies major. **4**

Advanced Topics Seminar (Sciences) (WGST-354) This topics seminar is cross-listed with a course in the Sciences and satisfies the science distribution requirement for the Women's and Gender Studies major. **4**

Directed Study (WGST-361) 1-4

Directed Study (WGST-362) 1-4

Independent Study (WGST-363) 1-4

Independent Study (WGST-364) 1-4

Sex and Sexuality in Latin America (WGST-383) This course critically examines gender and sexuality in Latin America. Particularly it will explore the various attempts by the ruling elite to define acceptable and deviant gender roles and sexual identities, how the non-elite resisted the imposition of those elite notions of propriety to create their own codes of conduct, and how those conflicts have changed over time. Cross-listed with HIST 243. **4**

Critical Pedagogy: Gender, Race and Class in U.S. Education (WGST-391) In its examination of current critical issues in U.S. education, the central concern throughout this course is the relationship between teachers and students; schools and society; and people and the world. Particular attention is given to critical and feminist pedagogies informed by critical theory. The course includes a 25-30-hour service-learning commitment in an area school or community organization. Course is a Curricular Service Learning course. Cross-listed with EDUC 390. Prerequisite: EDUC 213. **4**

Women, Sex, and Power in the Modern World. (WGST-396) This course focuses on histories of women around the world since the eighteenth century in order to examine the various ways in which women have struggled first to claim and then to maintain power over their bodies and experiences. The course analyzes sources that speak to women's efforts to assert political, economic, cultural, and personal power in society and in their own lives. Topics include a study of the development of organized women's movements in the nineteenth and twentieth centuries and an examination of the extent to which women have been successful in building coalitions to achieve power. The course also examines the role of other categories of identity in these struggles for power, including race, class, nationality, sexual orientation, and religion. Cross-listed with HIST 266. **4**

Intermediate Topics in Women's and Gender Studies (WGST-399) A general category used only in the evaluation of transfer credit. **1-4**

Women in the U.S. Economy. (WGST-416) This course will focus on the market and nonmarket contributions of women to the U.S. economy. A historical framework provides the backdrop for examining the economic, political and social institutions that affect women's contributions to the nation's economic well-being. Cross-listed with ECON 416 Prerequisite: ECON 301. **4**

Senior Research (WGST-451) 4

Senior Research (WGST-452) 4

Writing Program

Program Guidelines and Goals

The Writing Program affirms the importance Denison places on inculcating in our students the importance of learning to write, not only as a means of expressing themselves, but also as a way of learning. We believe that good writers take intellectual risks, explore ideas, make connections, and participate in broader, on-going conversations through writing. Our program aims to develop these habits of mind. We expect students to be able to make a cogent argument, anticipate and meet the needs of their audience, gather and synthesize evidence, and apply the conventions of style and grammar. By repeated experiences in writing-intensive

courses placed within the context of academic programs across the university, students will develop writing skills and deepen their liberal arts education.

This program consists of three parts: 1) a writing workshop (W101) taken during the first year, 2) two writing-intensive courses (W-overlays), one of which must be completed in the sophomore year, and 3) the writing requirements specific to each student's major.

Course Offerings

First-Year Writing Workshop (W-101) Required of all students during their first year, the W101 course introduces students to the rigors of college-level writing and provides practice in formulating and presenting a significant argument in a cogent essay; in finding, evaluating, and incorporating research into their writing; and in assessing their own work and that of their peers. W101 can be used only to satisfy the "S" Writing GE requirement. Open to First Year students only. **4**

Special Courses and Opportunities

Pre-Professional Programs

Denison's commitment to the liberal arts, the strength of our pre-professional advising, and the success of our graduates have made Denison well-known by professional schools ranging from medicine and business to law and engineering. Whether you earn a bachelor's degree at Denison and then go on to a professional school or combine three years of study here with time at another university, a Denison education will contribute significantly to the attainment of your professional goals. Please note that Denison financial aid can be applied only during the student's time at Denison. Interested students should discuss other financial aid opportunities with partnering institutions.

Advising System

Academic Advising is the responsibility of the faculty and is explained in the Academic Program section in the front of the Catalog. Pre-professional career coaching is provided by the Austin E. Knowlton Center for Career Exploration, which, along with faculty, provides a strong and knowledgeable advising system. Denison has earned the respect of deans of professional and graduate schools who have come to recognize the value of the liberal arts education received at Denison.

PreHealth

Healthcare admission decisions, including but not limited to, medicine, dentistry, occupational therapy, physical therapy, nursing and veterinary medicine, etc., are based on performance on nationally-sponsored admissions tests (Medical College Admissions Test, Dental Admission Test, Graduate Record Examination) and on academic achievement in both science and non-science courses. Students whose test and grade profiles are strong enjoy a high rate of acceptance by health-related programs in their state of residence and by selective schools throughout the country.

Most of our undergraduates considering the health professions bolster their preparations and gain an overview of several related fields by conducting internships, externships and health-related volunteer work in hospital and/or clinical settings.

In 1984, Denison established a "3-4" program with Case Western Reserve Dental School. Once a student has received an acceptance letter from Denison's Admissions Office (usually mid-March), they must contact Case Western Dental School to schedule a conditional-admissions interview with Case Western's Dental School. Case Western would like to conclude all interviews by April yearly; thus, "conditionally admitting" the Denison student to the 3-4 program. If a student performs satisfactorily in both liberal arts and science courses, he/she will receive official acceptance to the Case Dental School. Following three years of study at Denison, the student moves directly into dental school. Students will receive a bachelor's degree from Denison and a Doctor of Dental Surgery from Case. Students can only apply for the 3-4 program once they have been admitted to Denison and have completed a conditional admissions interview with Case Western Dental School by April of the students' senior year of high school. (Note: CWRU usually completes these interviews by early April). Students need to request the CWRU dental school application form from CWRU. The Admissions office will forward the Denison application to CWRU.

Pre-Law

Denison graduates are typically successful in gaining admission to law schools across the country. Students' performance on the Law School Admission Test and their academic records are the major determining factors

in the admissions decision. The acceptance rate of Denison graduates is consistently well-above the national average.

Representatives from a number of schools regularly visit the campus. Attending career panels, programs and completing internships in legal settings helps students make informed career decisions.

Business

A broad-based undergraduate program in the liberal arts is one of the most satisfactory preparations for graduate study in business administration and management, and many Denison graduates continue their studies in programs across the country. The current national trend is to encourage students to work several years between undergraduate and M.B.A. programs and Denison students can receive advice on preparing for business school.

Engineering

With a long-standing tradition of strength in science and pre-engineering, Denison offers two plans to prepare for an engineering career. In the first, students receive a bachelor's degree after four years at Denison with a major in natural sciences or mathematics, followed by two years of graduate work at another institution leading to a master's degree in engineering. Denison students are regularly accepted to graduate engineering programs at leading universities.

The second plan is a "3-2" program in which students study three or four years at Denison, and an additional two years at an affiliated engineering school, resulting in two bachelor's degrees. Denison is affiliated in such dual-degree programs with Rensselaer Polytechnic Institute, Washington University (St. Louis), and Columbia University. Students interested in these plans should contact the 3-2 Engineering Advisor, in care of Denison Physics Department, at their earliest opportunity. The required math and science courses typically include: PHYS 125, 126, 127, 200; MATH 123, 124, 231, 357; CHEM 131, 132; and CS 171. Additional courses may be required, depending on the chosen field of engineering.

Environmental Management and Forestry

Denison offers a cooperative program with Duke University in the areas of Environmental Management and Forestry. Students can earn a bachelor's degree from Denison and a master's degree in either Environmental Management, or Forestry from Duke after three years of study at Denison and an additional two years at Duke's School of the Environment. The major program emphases at Duke are resource economics and policy, water and air resources, forest resource management, resource ecology and ecotoxicology and environmental chemistry. An undergraduate major at Denison in natural or social science or pre-professional emphasis in business or engineering is good preparation for the Duke programs, but any undergraduate concentration will be considered for admission. If you are interested in this program you should take at least one year in biology, mathematical sciences, and economics at Denison. The Biology Department has more information on this program.

Denison Internship Program

The Denison Internship Program, managed by the Knowlton Center for Career Exploration, provides students the opportunity to explore potential career pathways as they complete their academic coursework. Students may take advantage of internship opportunities beginning in their first year. Students may search for internship opportunities via the online portal, Handshake, or arrange internships independently through other avenues across the globe.

Denison Museum

Through one-on-one appointments, programs, and various career events facilitated by the Knowlton Center, students can prepare early for internship opportunities to complement academic experiences. Internships play a pivotal role in helping students decide on a major, and the focus their career direction. The Knowlton Center offers resources to assist students in making these important decisions with developmental steps tailored to each year at Denison. Alumni and parents are excellent resources and post many positions in the Handshake portal.

Employers and graduate/professional schools appreciate viewing evidence of completed internships as they evaluate a student's accomplishments relevant to their applications. Career Exploration will notate the appropriate internship experiences on students' transcripts once all relevant registration forms and evaluations are collected.

Denison Museum

The Denison Museum is a teaching museum located in Burke Hall. Each semester, Denison Museum staff works with faculty, students, and other campus organizations to provide integrative learning opportunities through changing exhibitions and the more than 9,000 objects in the permanent collection. Every year, the Denison Museum also hires 8-10 year-long interns and 2-6 summer interns from all four liberal arts divisions through the MyDenison portal or Handshake. Student interns gain extensive transferable skills by participating in exhibition preparation and research, creating promotional materials using "InDesign" and other technologies, creating videos and podcasts of Museum events, the careful handling of objects, research, and documentation, and through assisting in the creation of educational materials for class and community visits. Students also have an opportunity to curate Monomoy House. Denison Museum interns are frequently successful in securing professional internships or advancing careers in related fields or admission to graduate programs in museum studies and professional writing based on work at the Museum. For more information visit the Denison Museum website [<http://denison.edu/campus/museum>] or contact us at museum@denison.edu [<mailto:museum@denison.edu>].

Service-Learning

The J.W. Alford Center for Service Learning collaborates with students, faculty, and staff to experience active citizenship through service and interaction with the Licking County community and beyond. Service learning enables students to creatively think about society, question its possible inequalities and inequities, and to develop ways of evoking positive social change. Three main functions comprise the work of the Alford Center: Curricular Service learning courses in which students and faculty partner with schools, agencies, and organizations to contribute and to experience the course content through hands-on experience. The Denison Community Association, in which students organize themselves into more than 20 committees that contribute in excess of 19,000 hours of volunteer service annually; and America Reads, that sends work-study students to 10 area schools to provide literacy education. In all of these functions, students have opportunities to learn to work within a sustainable experiential cycle of defining an issue, researching it, creating and implementing an action plan, and then reflecting on their work through evaluation, and reconsideration of the issues.

Advising Circles

The advising relationship is an important place for conversations that connect the dots between academic work and the learning that occurs beyond the classroom walls. AC 101: Engaging the Mission is a structured, weekly opportunity for a small group of first-year students to come together to talk about their experiences, to learn more about the university and the community, to explore how our community is shaped by the diversity of perspectives, and to think productively about how to plan for four years of a meaningful, educational experience.

Students who have participated in this course have been overwhelmingly positive about their experience, "I got to know my advisor so well, I wish our group continued meeting throughout the spring." 90% of students who have taken an AC 101 (previously FYS 103 and AS 101) would strongly recommend it to entering students. Faculty are equally enthusiastic about the experience, "This is, by far, the best I have gotten to know my advisees. It was a very rich and rewarding experience."

Course: AC 101:Engaging the Mission This is a 1 credit discussion based course limited to ten students and led by a faculty member who is their academic advisor. The class meets once weekly for roughly an hour. The course is graded S/U (satisfactory/unsatisfactory), based largely on class participation. External work (reading and writing) is minimal as is reflected by the 1 credit nature of the course.

Center for Learning and Teaching

The primary goal of Denison's Center for Learning and Teaching is to support and collaborate with faculty at all career stages, considering questions, ideas, activities, and research on teaching and learning. The Center provides support for faculty development and mentoring related to the practice of effective teaching. Specific goals include:

- (1) Conduct teaching and learning seminars for first-year and early-career faculty.
- (2) Develop or sponsor workshops, brown-bag lunches, and other programs (e.g., "Teaching Matters!") that address specific teaching approaches, strategies, activities, and pedagogies including digital technology.
- (3) Provide a structured program for one-on-one consultations and classroom teaching observations as a way of delivering formative feedback for faculty all experience levels and mentoring for early-career faculty.
- (4) Coordinate and enhance collaboration among faculty, professional staff, and administrative offices to initiate and promote a variety of faculty development programs and resources that address teaching, learning, scholarship, and mentoring.
- (5) Construct an online collection of resources and scholarship about teaching and learning, including strategies, ideas, and tips on a variety of teaching activities and pedagogies.
- (6) Support the development of faculty pedagogy and curricular projects focused on the intersection of innovative teaching, and scholarship of teaching and learning (SoTL).
- (7) Develop a communication strategy for raising both internal and external awareness of teaching and learning activities at Denison.
- (8) Participate and provide leadership in forging relationships and collaborations between Denison's faculty development programs and other professional organizations that address issues in teaching, learning, and curriculum in higher education.
- (9) Foster use of the Center's meeting spaces in the Library's atrium level for workshops, discussions, meetings, and programs relevant to teaching, learning, advising, mentoring, curriculum, and other higher education forums.

The Center is located on the atrium level of the Library. Jeffrey Kurtz (Department of Communication) is the Center's director.

Admission, Costs, and Financial Aid

Admission

Denison is committed to enrolling students of high intellectual ability who come from diverse backgrounds. The university provides an environment that supports and promotes academic achievement and personal growth. Denison values its faculty, academic programs, and students who have come to learn and contribute.

Secondary School Preparation

Because a Denison academic education is a blend of electives, general education, core courses, and departmental requirements, a broad, rigorous secondary school preparation is highly desirable. The university strongly recommends that, by the time you graduate from secondary school, you complete the following: four years of English; three years of mathematics, natural science, social studies, and a foreign language (at least two of which should be in the same language).

The admission committee takes particular note of Advanced Placement, International Baccalaureate, PSEO, honors, and enriched courses.

Admission Criteria

The quality of your academic performance and the rigor of courses selected are the most important factors considered by the admission committee. Submission of standardized test results (ACT or SAT) is optional. Students who elect not to submit either an ACT or SAT are strongly encouraged to interview either on campus or with an area alumni representative. SAT II subject tests are also not required, although you may provide these scores as additional information in support of your application for admission. International applicants must submit either the results of the Test of English as a Foreign Language (TOEFL) or the results of the SAT I. Your application essay, as well as written statements from your college/guidance counselor and an academic teacher, give us a greater understanding of your personal character and motivation. Important also is the quality, rather than the quantity, of your extracurricular accomplishments, whether school-, community-, or job-related. An offer of admission is always pending the receipt of the final transcript and its confirmation that the coursework has been completed in good standing and no disciplinary issues have been added to the record.

Application Process

Denison accepts the Common Application and the Coalition Application.

Early Decision

If, after careful research, you decide that Denison is your first-choice college, you are encouraged to apply through one of our two early decision rounds. Early decision applicants must sign and submit the Early Decision Agreement form provided by the Common Application.

The deadline for Early Decision 1 is November 15, and the deadline for Early Decision 2 is January 15. Students are notified on a rolling basis once the Office of Admission has received all the required application materials. All decisions will be released within one month of the application deadline. Admitted students must accept our offer of admission and pay a nonrefundable \$300 enrollment deposit by the indicated deadline to confirm their place in the entering first-year class. An offer of admission is always pending the receipt of the final transcript and its confirmation that the course work has been completed in good standing and no disciplinary issues have been added to the record.

Regular Decision

Candidates for regular decision admission should apply no later than January 15 and present a consistent record of academic accomplishment. Final notification of our admission decisions for completed applications will be made by April 1, and admitted students must respond to our offer and pay their nonrefundable \$300 deposit by the national deposit deadline of May 1. An offer of admission is always pending the receipt of the final transcript and its confirmation that the course work has been completed in good standing.

Campus Visit and Interview

As you go through your college selection process, you will discover the value of a campus visit and interview. When you visit Denison, plan to spend three hours: approximately one hour for an interview, one hour for a campus tour, and another hour to visit a class of your choosing.

The Office of Admission, located in the Burton D. Morgan Center, schedules interviews from 8:30 to 11:30 a.m. and 1:30 to 3:30 p.m. on weekdays, and most Saturday mornings from 8:30 to 11:30 a.m., when school is in session.

Because our admission staff travels extensively, we annually select and train a small group of outstanding Denison seniors to assist in interviewing candidates. You are likely to meet with one of these senior interviewers if you visit campus. Senior interviewers share with our regular staff the responsibility for describing the university to you and assessing your candidacy for admission. Interviews are intended to be conversational.

You are encouraged to schedule your visit online at www.denison.edu/campus/admission/campus-visits. You may also phone the Office of Admission at 740-587-6276.

Overnight Accommodations on Campus

Visiting high school seniors can request overnight accommodations with a student host in one of the university residence halls. Requests must be made at least two weeks in advance of your visit. Overnight stays and airport shuttles can be arranged Sunday through Thursday. The Office of Admission also hosts several visit programs each semester.

If you wish to stay with a friend currently at Denison, you are encouraged to make your own arrangements.

Granville's Location

Granville is located 27 miles east of Columbus and is easily accessible from Interstates 70 and 71. John Glenn Columbus International Airport is served by major airlines, and rental cars are available at the airport.

Alumni Interviews

Denison Alumni Recruiting Team (DART) members located in many metropolitan areas across the country and overseas can serve as valuable resources and can also interview you if you are unable to visit campus. The report of your interview with a Denison graduate will become a part of your admission file. For local Denison alumni assistance or to arrange an interview, please contact the Office of Admission by phone (740-587-6276) or email (admission@denison.edu). The deadline for requesting an alumni interview is February 1.

Deferred First-Year Student Matriculation

You have the option, upon being accepted at Denison, to defer your entrance for up to one year, provided you present an appropriate rationale for doing so and do not enroll as a full-time or degree-seeking student

Annual Costs

at another college or secondary school in the interim. Deferral requests are considered by the Office of Admission, which reserves the right to grant or deny the request as it sees fit.

By May 1 of the year for which you have been admitted, you must submit your nonrefundable \$300 deposit and your written request for deferment of your matriculation. If your request is approved by the admission committee, you must reconfirm your intention to enroll, in writing, by January 15 of the following year. If you fail to matriculate to Denison, your deposit will be forfeited to the university.

Transfer Admission

The transfer application deadline for January admission is November 15, and the transfer application deadline for August admission is May 15. For further information on Denison's transfer program, please contact the Office of Admission at admission@denison.edu or 740-587-6276.

Office of Admission
Denison University
100 W. College Street Granville, Ohio 43023-0810
740-587-6276

<http://www.denison.edu/>

Annual Costs

Actual 2017-2018	
Tuition	\$49,310
Activity Fee	\$470
Health Fee	\$660
Board (Big Red - The Hill - Olmsted - West Loop - West College)	\$5,860 - \$5,540 - \$5,220 - \$5,220 - \$4,900
Room (multiple - single - apartment - suite - Stone Hall apartment/shared bedroom)	\$6,790 - \$8,230 - \$9,670 - \$8,230 - \$9,060

The university reserves the right to make changes in costs at the beginning of any semester by publication of the new rates for tuition, activity fee, and student health fee three months in advance, and for board and room, one month in advance of their effective date. Changes in other fees, charges, or policies may be made by announcement one month in advance of the effective date of the change.

Tuition

The annual tuition permits a student to take a maximum of 18 hours each semester. An additional charge of \$1,540 is made for each registered hour in excess of 18 hours. All excess-hour charges are billed by Student Accounts. A part-time student (8 hours per semester or fewer) is charged \$1,540 for each semester hour of credit.

Activity Fee

The activity fee provides basic support to the Denison Campus Government Association and the organizations they sponsor.

Health Fee

The health fee provides basic support to student health services. This fee covers general operating expenses. Fees for inpatient care, medicine, laboratory tests and procedures, office surgery, and medical equipment will be charged to the student.

A group accident and sickness insurance plan is also available to students. Student Accounts sends details of this plan to students in the summer.

Board

Meals are served in the college dining halls throughout the academic year except during scheduled vacation breaks. More detailed information on this and the other meal plan options will be sent to students along with their semester bill.

Room Rent

Housing options are: multiple room, single room, apartment, suite or Stone Hall apartment with shared bedroom. In addition, students will be charged for any damage beyond ordinary wear to the room and its contents.

Other Fees

Auditing Classes This privilege may be granted to any student with the approval of the teaching faculty member. A regularly enrolled full-time student may be permitted to audit one course each semester without an additional fee and without academic credit. In all other cases, an auditor pays a sum equal to one-half the tuition rate paid by a part-time student (\$770 per registered hour).

Off-Campus Programs An administrative fee charged to each student participating in an off-campus program is \$870 per semester. However, students participating in full-year program will be charged a reduced fee (\$100) for the second semester of the same program. An administrative fee of \$275 will be charged for summer 2018 off-campus programs.

Books and Supplies Bookstore purchases may be paid by cash, check, credit card, or a "Denison Dollars" debit account. Book grant funds (if awarded as part of your financial aid package) can also be used at the bookstore to purchase books and supplies. Information on the Denison Dollars account will be sent to all students prior to the start of each semester.

Department of Music Fees Music fees are required of a student taking private lessons in applied music. A surcharge of \$500 per half-hour (1 credit) or \$1,000 per hour (2 credits) of instruction per semester, including the necessary practice time, is assessed for applied music lessons. All declared music majors and minors will be given 1 waived credit hour for private lesson instruction each semester. At the discretion of the music department, music majors may have up to 4 credit hours waived, and music minors may have up to 3 credit hours waived.

Any student paying regular tuition may attend classes (not private lessons) in voice or instrumental music without the surcharge.

Special Fees An additional fee is assessed for courses such as ceramics, sculpture, printmaking, drawing/life drawing, and photography when the student becomes the owner of tangible items created. Additional course fees also apply to certain courses, including Intermediate Cinema Production, Taekwondo, Skin and Scuba Diving, and certain Denison Seminar courses. A fee is also charged for moot court and Model U.N. participation. This is subject to change from semester to semester.

Annual Costs

Some fine arts studio courses and science courses may have additional expenses.

Enrollment Deposit A \$300 enrollment deposit (\$50 for Pell-eligible students) is required of all students prior to enrollment at Denison. It is due by May 1 for entering first-year students. This deposit is held during the full term of a student's enrollment. Upon withdrawal or graduation from Denison, the deposit is first applied to any outstanding balance on the student's account, and the remainder is refunded. The deposit is forfeited if a continuing student withdraws after June 1 for the ensuing fall semester or after November 1 for the ensuing spring semester. For any new or transfer student (a student who has not attended Denison during at least one semester), the deposit is forfeited if the student withdraws after May 1.

Payment of Bills All bills are payable in Student Accounts. To help develop a sense of responsibility and a greater appreciation of the educational opportunity, the university has a policy of collecting bills from the student rather than from his or her parents. The student, however, may grant another party direct access to their bill.

Semester Bills and Late Payments Denison bills electronically. Semester bills are due in July for the first semester and in December for the second semester, but they may be paid in advance. Bills not paid by the due date are subject to a late payment fee of 1% per month or any portion thereof on the unpaid balance until the bill is paid in full. Registration for a semester is not permitted unless all fees are paid in accordance with the terms of the payment plan selected (See Payment Plans, below). These bills are available in Denison Self-Service in early July and December.

Advanced Course and Housing Registration The university conducts advanced course registration each semester for the ensuing semester, and housing registration each spring for the following academic year.

All fees must be paid to permit advanced courses and housing registration.

Miscellaneous Bills Invoices for miscellaneous items such as lost keys, identification cards, residence hall damages, lock core changes, medications and other health services, and driving and parking infractions are issued by the department authorizing the bill, with a copy mailed to the student at his/her Slayer Box and a copy sent to Student Accounts. All charges (except as noted below) are included on the comprehensive billing statement, which is available electronically in Denison Self-Service. Confidential health center services are added to the account only if not paid within 10 days. Unpaid library fines and other miscellaneous charges are also periodically added to the billing statement.

The university reserves the right to notify parents when scheduled payments are not met by the student. Students may want to grant others direct access to all bills, both semester and miscellaneous. The student can accomplish this by completing the steps outlined in the "Grant Access" tab in their Denison Self-Service account.

A student is ineligible to attend classes unless his or her bills are paid when due. A student is denied an honorable separation, an official record of credits, or a diploma until all university bills are paid in full.

The policy on breakage fees applies to all supplies and equipment issued in any lab course in chemistry (including directed studies, senior research, and individual work for honors) or through the Athletics, Physical Education, and Recreation Department. In addition to breakage fees, the Athletics, Physical Education, and Recreation Department also charges for lost equipment if the student is negligent in returning borrowed equipment by the date requested.

Although a record is kept of all breakage, students are not ordinarily charged for breakage amounting to less than \$5 per semester. However, when the breakage in any one semester is \$5 or more, students will be billed directly by Student Accounts for the total amount of all breakage, including the first \$5.

Additionally, students who fail to check out of a laboratory or locker properly (either when dropping a course during a semester or at the regular check-out time at the end of a semester) will be charged a fee of \$25, plus the cost of any breakage, regardless of the amount.

Where applicable, refunds are automatically issued upon withdrawal or graduation. Continuing students may request refunds any time their account has a credit balance of \$25 or greater, or at the end of the academic year if the credit balance is less than \$25.

The university accepts checks for payment of bills; however, a \$30 charge is assessed on all payments returned by the bank. The university does not provide check-cashing privileges for students at Student Accounts. Granville has numerous banking and savings institutions that offer a variety of checking and savings plans. It is recommended that students establish an account with a local financial institution to facilitate their bill-paying and cash needs.

Payment Plans Several monthly payment plans and long-term loans are available to parents of Denison students. Details of these plans are sent to students each spring for the following year of enrollment.

Late Registration

Students failing to complete all registration matters by the final deadline of the tenth class date of the term and/or failing to respond properly to university officials' notices regarding the problem shall be withdrawn from all pre-registered courses. Such withdrawal shall carry with it financial forfeitures in accordance with the refund schedules outlined below. Appeal of this action shall be to the academic standing board and, if upheld, will normally carry a minimum penalty of \$50 and other disciplinary sanctions as deemed appropriate.

Refund or Forfeiture of Tuition, Activity Fee, Health Fee, and Room and Board

Withdrawal from the university at any time is official only upon written notice to the dean of students. A request to the registrar for a transcript of credits shall neither be considered a notice of withdrawal from the university nor a cancellation of a room and/or board reservation. For further information, please consult Withdrawal from the College, Page 22.

In the event of an official withdrawal after the first day of classes, a student may receive a partial refund. The withdrawal process begins when a student meets with the dean of students or his/her designee for an exit interview. A student will not be considered withdrawn without an exit interview. Upon official withdrawal or suspension, any adjustments to the account are automatically made in accordance with university policy and a refund or bill will be sent as needed. Please contact Student Accounts with questions regarding the amount of refund or forfeiture of charges. *NOTE: Taking a Leave of Absence or withdrawing from the university may have serious implications concerning your financial aid and repayment plan. Contact the Office of Financial Aid by phone (740-587-6279) or email (finaid@denison.edu).

The enrollment deposit will be forfeited if a withdrawal is made after June 1 for the ensuing fall semester or after November 1 for the ensuing spring semester (for continuing students), or after May 1 (for entering first-year or transfer students).

A student will receive a refund of tuition, activity fee, and health fee based upon withdrawal before the end of the respective full week of classes. The room refund (including personal possessions) will be based on the

Annual Costs

date the student is determined to have vacated university premises and returned their room key. Please see chart below.

	Normal Withdrawal	Medical Withdrawal
1st day of classes	100%	100%
1st week	90%	90%
2nd week	90%	90%
3rd week	50%	70%
4th week	50%	60%
5th week	25%	50%
6th week	25%	40%
7th week	25%	30%
8th week	25%	25%
9th week	0%	10%

No refunds are granted after the 8th week (9th week for medical withdrawal). In the event of withdrawal of a student because of dismissal, the medical withdrawal schedule will apply. A student who stops attendance without completing an exit interview or notifying the dean of students of their withdrawal is not entitled to a refund of charges.

A pro rata refund of the board charge will be made following official withdrawal or dismissal from Denison as of the date the student vacates university premises and discontinues use of university facilities and services. The dean of students will determine this date.

Other Conditions If a student withdraws after the deadline and before the first day of classes because of illness or other approved extenuating circumstance, the enrollment deposit may be temporarily held. (Extenuating circumstances must be approved in advance by the Office of Student Development or Admission, whichever is appropriate.) If the student does not register during the following two semesters, the deposit is forfeited. The withdrawal deadline is June 1 for the ensuing fall semester and November 1 for the ensuing spring semester for continuing students, and May 1 for entering first-year or transfer students.

Fees for applied music lessons or other course fees are not refunded after the fourth week in the case of a student withdrawing for any reason from a course or from the university.

In the unlikely event that a public health agency requires Denison University to halt operations--including the cancellation of classes--as the result of a pandemic or some similar occurrence, Denison will reopen and continue the semester as soon as public authorities permit it. Prepaid tuition, fees, room, and board would not be refunded under this circumstance. Prepayments will be held and applied to the continued semester as though there were no interruption of services.

Motor Vehicle Policy All students are required to register any vehicle present on the Denison campus. A Denison registration sticker is not only a parking permit, but is also required for roadway use of a motor vehicle.

Safety Glasses Requirement In accordance with the provisions of the state law (i.e. amended Sections 3313.643, 3743.52 and 3743.99 of the Revised Code of the State of Ohio file No. 225, effective June 22, 1972):

All students enrolled in specified laboratory and studio courses in art, biology, chemistry, geosciences, physical education, physics, theatre, and cinema **MUST** wear industrial-quality eye protective devices at all times while participating or observing any of the laboratory or studio work.

The Ohio law (a copy of which is on file in the departments named above) is written in such a way that "industrial-quality eye protective devices" means devices meeting the standards of the American National Standard Practice for Occupational and Educational Eye and Face Protection (Z87.1-1968) approved by the American National Standards Institute Inc., and subsequent revisions thereof, provided such revisions are approved and adopted by the State of Ohio Industrial Commission. In particular, the law specifies that "all impact resistant lenses must be capable of withstanding an impact test in which a five-eighths inch steel ball weighing approximately fifty-six hundredths of an ounce is dropped from a height of fifty inches upon the horizontal upper surface of the lens in the manner prescribed under the code of federal regulations, Title 21, Section 3.84."

Please note that eyeglasses normally supplied by your optician, optometrist, or ophthalmologist may be specified to be "impact-resistant" and still not meet the specifications of the Ohio law, as quoted above.

Accordingly, students enrolled in the above departmental courses and who do not ordinarily wear glasses will, without exception, be required to purchase a pair of safety glasses meeting the above specifications. Such glasses will ordinarily be available in the Denison bookstore, but they may be purchased elsewhere. Students who already wear prescription lenses (either contact or otherwise) will also be required to wear safety glasses when in the laboratory, studio, or work areas. These may be of a variety that cover their ordinary glasses, or they may be a pair prepared according to the student's prescription and meeting the safety standards. The university has arrangements with a local supplier to furnish both kinds at prices that are both fair and competitive.

Financial Aid Information

Denison is strongly committed to enrolling highly qualified students, regardless of their financial means. Because qualified, committed, and involved students are the lifeblood of our university, we regard each one as an invaluable asset to Denison. All students are considered for admission on a need-blind basis, and we meet 100% of the institutionally determined financial need of all admitted students who apply for need-based financial aid.

If you have any doubts about your family's ability to pay for a Denison education without help, don't hesitate to apply for financial aid. Your request does not affect the decision of the admission committee in any way, and the Office of Financial Aid welcomes the opportunity to help you and your family in planning for college.

Applying for Financial Aid

To apply for need-based financial aid at Denison University, you must file a Free Application for Federal Student Aid (FAFSA) by December 1 (for Early Decision 1 applicants) or by February 1 (for Early Decision 2 and Regular Decision applicants). The CSS PROFILE is also required by those same deadlines. International applicants must submit the CSS PROFILE, unless they do not wish to apply for financial aid, in which case they must submit a Certification of Finances. Denison's FAFSA code is 003042 and Denison's CSS PROFILE code is 1164.

If you meet our admission standards, we want you to have a realistic opportunity to enroll here. When we make an offer of financial assistance, we offer funds from federal, state, and institutional sources to help meet your federal need.

Financial Aid Information

A Denison student intending to apply for financial aid while enrolled elsewhere must talk with the Denison Office of Financial Aid to be sure he/she understands the implications of accepting financial aid while attending another institution. Individual circumstances will vary, but accepting aid elsewhere may impact a student's ability to receive aid after returning to Denison.

Types of Financial Aid

Financial aid awards normally consist of a "package" designed to help meet your financial need. Depending on the amount of your determined need, your package will usually consist of three components: employment on campus, a loan, and grants. Loans and employment are referred to as self-help. You are not obligated to accept the loan or work award. Grants and loans will be deducted on your college bill. Campus employment cannot be deducted in advance, because it must be earned.

Loans

Your financial aid award may contain a Denison Scholar Loan, a Federal Direct Subsidized, or a Federal Direct Unsubsidized Loan. The Denison Scholar Loan and Federal Direct Subsidized loans are similar in that there is no interest or repayment on the principal while the student is in school at least half-time and interest begins to accumulate following graduation or ceasing to be enrolled half-time. The Federal Direct Unsubsidized Loan is available to students who are not eligible or have limited eligibility for the Federal Direct Subsidized Loan. The loan terms are similar to the subsidized loan except that interest is charged while the student is in school for the Federal Direct Unsubsidized Loan. The student may choose to have the interest accrue while enrolled at least half time or pay the interest quarterly. The interest rates and terms of these loans are subject to change by the Congress of the United States.

Grants

Denison awards grants both from our own funds and from outside sources. We participate in the Federal Pell Grant program, the Supplemental Educational Opportunity Grant (SEOG) program and certain other state grant programs.

Renewal of Financial Assistance

Each year, because of changes in income and other family circumstances, we reevaluate your financial need. Depending on Denison's cost and your family's situation, your need for assistance may vary from year to year.

Academic Scholarships and Other Aid Not Dependent on Need

Denison annually offers a large number of academic scholarships for first-year students. These awards are based on academic talent and personal merit and do not require a demonstration of financial need. All applicants for admission are considered for merit-based scholarships.

A limited number of departmental and general scholarships of varying amounts are also available to selected students, based on factors such as outstanding academic achievement and fine arts talent. If you are eligible to be considered for such a scholarship, you will be either considered automatically or invited to apply by the appropriate academic department.

In addition, employment on campus for jobs requiring specific experience of skills is available. Parents may be eligible to obtain a Federal Direct Parent Loan (PLUS) through the federal site, www.studentloans.gov.

Endowed Scholarship Funds

The income from endowed scholarships supports the merit awards and need-based institutional aid that is part of the Denison University financial aid program.

Further Information

For more detailed information on methods of financing your Denison education, visit the Office of Financial Aid or call 740-587-6279.

Office of Financial Aid and Student Employment
Denison University
100 W. College Street Granville, Ohio 43023-0810
740-587-6279

Index

- Academic Honors, 19
- Academic Probation, 26
- Academic Regulations, 25
- Academic Suspension, 26
- Accreditation and Recognition, 8
- Activity Fee, 300
- Additional Credit, 20
- Admission, 298
- Admission - Denison Alumni Recruiting Teams, 299
- Admission Criteria, 298
- Advanced Placement Credit, 23
- Annual Costs, 300
- Athletics see Health, Exercise, and Sport Studies, 163
- Attendance, 22
- Auditing Classes, 301
- Bills, 302
- Board, 301
- Books and Supplies, 301
- Business (Pre-Professional), 295
- Campus Visit and Interview, 299
- Changes in Registration, 21
- Character, Philosophy and Mission, 4
- Commencement Exercises, 27
- Common Application, 298
- Costs, College, 300
- Credit Earned Elsewhere, 23
- Credit, Advanced Placement, 23
- Dean's List, 19
- Deferred Matriculation, 299
- Denison Internship Program, 295
- Dentistry (Pre-Professional), 294
- Departmental Majors, 12
- Deposit, Enrollment, 302
- Directed Study, 18
- Early Decision, 298
- Educational Planning, 13
- Electives, 13
- Eligibility for Re-Enrollment, 27
- Endowed Scholarships, 307
- Engineering (Pre-Professional), 295
- Enrollment Deposit, 302
- Environmental Management (Pre-Professional), 295
- Excess Registration, 20
- Fellowships, 14
- Financial Aid, 305
- Financial Aid, types of, 306
- Forestry (Pre-Professional), 295
- Grades Earned Elsewhere, 24
- Grading System, 25
- Grants, 306
- History of Denison, 3
- Honors, Special Academic, 19
- Incomplete Grade, 25
- Independent Study, 18
- Information Resources, 27
- Information Technology Services, 27
- Late Registration, 21, 303
- Law (Pre-Professional), 294
- Library, 27
- Lisska Center, 14
- Loans, 306
- Majors, 12
- Matriculation Requirement, 27
- Medicine (Pre-Professional), 294
- Miscellaneous Bills, 302
- Motor Vehicle Policy, 304
- Music Fees, 301
- Off-Campus Program Fees, 301
- Partial Registration, 21
- Payment Plans, 303
- Petition Policy, 21
- Physical Education see Health, Exercise, and Sport Studies, 163
- Pre-Professional Programs, 294
- Re-Enrollment, Eligibility for, 27
- Recreation see Health, Exercise, and Sport Studies, 163
- Reduced Registration, 20
- Refunds, 303
- Regulations, Academic, 25
- Repeating Courses, 26
- Room Rent, 301
- Safety Glasses Requirement, 304
- Satisfactory/Unsatisfactory Grading, 25
- Semester Bills, 302
- Senior Research, 18
- Special Academic Projects, 18
- Special Fees, 301
- Special Registration, 21
- Student Classification, 23
- Student Health Fee, 301
- Student Research, 14
- Transfer Admission, 300
- Tuition, 300
- Veterinary Science (Pre-Professional), 294

