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Office of Undergraduate Studies

Case Western Reserve University confers baccalaureate degrees based on programs offered by the faculties of the Case School of Engineering, the College of Arts and Sciences, the Frances Payne Bolton School of Nursing, and the Weatherhead School of Management. Some major programs are offered in collaboration with the School of Medicine, the Cleveland Institute of Art, and the Cleveland Institute of Music. The faculties and administration are dedicated to offering educational programs that enable undergraduates to achieve disciplinary literacy in one or more major fields; to acquire educational breadth through study across the natural sciences, humanities and arts, and social sciences; and to learn to think critically and to communicate effectively. Overlap among the general education curricula for the various bachelor’s degree programs allows students flexibility in the choice of majors and degree program. Furthering the University mission, the educational programs aim to foster the development of qualities of integrity, creativity, leadership, and societal engagement.

Advisors for first-year students, major field advisors, other faculty, and deans assist students in selecting a field of study suited to each student’s interests and qualifications. Students with broad educational interests and goals may pursue concurrently two or more majors for the Bachelor of Arts degree, two or more majors for the Bachelor of Science in Engineering degree, or two or more majors toward the Bachelor of Science in Management degree, or may earn two bachelor’s degrees by completing both a Bachelor of Arts degree and a Bachelor of Science degree or by fulfilling the requirements for two Bachelor of Science degrees. The Bachelor of Music degree offered by the Cleveland Institute of Music may be combined with either a Bachelor of Arts or a Bachelor of Science degree at Case Western Reserve University. Qualified students who wish to accelerate their undergraduate and graduate or professional studies may earn the opportunity to begin in the senior year advanced study toward a graduate or professional degree.

The University provides undergraduates with a rich variety of experiential learning opportunities both on and off campus. Programs that engage students in curriculum-related employment include the Cooperative Education Program (http://engineering.case.edu/coop), the Practicum Program, and internships. Study abroad, the exchange program with Fisk University, and the Washington Semester immerse students in educational environments that build global and national knowledge and perspective. Research opportunities for undergraduates abound at the university, in University Circle institutions, and in Cleveland. Individual departments offer independent study opportunities to motivated and qualified students; some departments offer courses that incorporate practical field experience or community service. The location of the University in University Circle, with its outstanding array of cultural, educational, and health care institutions, and the proximity and accessibility of the university’s various professional schools and their facilities enable undergraduates to draw upon diverse and distinctive resources to enrich their education.

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Terri A. Mester, PhD
(CASE WESTERN RESERVE UNIVERSITY)
Pre-Law Advisor

Undergraduate Majors and Minors

<table>
<thead>
<tr>
<th>Department Subject</th>
<th>Degree</th>
<th>Available as</th>
<th>Gen Ed Requirements</th>
</tr>
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<tbody>
<tr>
<td>ACC Accounting</td>
<td>BS</td>
<td>Major or Minor</td>
<td>WSOM</td>
</tr>
<tr>
<td>EAR Aerospace Engineering</td>
<td>BSE</td>
<td>Major</td>
<td>CSE</td>
</tr>
<tr>
<td>AMS American Studies</td>
<td>BA</td>
<td>Major* or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>ANT Anthropology</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>APM Applied Mathematics</td>
<td>BS</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>ARE Art Education</td>
<td>BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>ARH Art History</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>ARS Art Studio</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>AIN Artificial Intelligence</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>ASI Asian Studies</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>AST Astronomy</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>BAF Banking and Finance</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>BCH Chemical Biology</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>BIO Biology</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>EBI Biomedical Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
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<tr>
<td>BUS Business Management</td>
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<td>Minor</td>
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</tr>
<tr>
<td>CHB Chemical Biology</td>
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<tr>
<td>ECE Chemical Engineering</td>
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<td>Major or Minor</td>
<td>CSE</td>
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<tr>
<td>CHE Chemistry</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>CHS Childhood Studies</td>
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<td>Minor</td>
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<tr>
<td>CHI Chinese</td>
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<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>ECI Civil Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
</tr>
<tr>
<td>CLS Classics</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>COG Cognitive Science</td>
<td>BA</td>
<td>Major or Minor</td>
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<tr>
<td>COS Communication Sciences</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>ECM Computer Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
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<tr>
<td>CGM Computer Gaming</td>
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<tr>
<td>CMP Computer Science</td>
<td>BA</td>
<td>Major or Minor</td>
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<tr>
<td>CMP Computer Science</td>
<td>BS</td>
<td>Major or Minor</td>
<td>CSE</td>
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<tr>
<td>CRW Creative Writing</td>
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<tr>
<td>DAN Dance</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>DAM Dean's Approved Major</td>
<td>BA</td>
<td>Individually Designed Major</td>
<td>CAS</td>
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<tr>
<td>DAM Dean's Approved Major</td>
<td>BS</td>
<td>Individually Designed Major</td>
<td>WSOM</td>
</tr>
<tr>
<td>ECM Economics</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>EAP Electrical Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
</tr>
<tr>
<td>ELN Electronics</td>
<td>---</td>
<td>Minor (for BA only)</td>
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<tr>
<td>EGR Engineering – Undesignated</td>
<td>BSE</td>
<td>Major</td>
<td>CSE</td>
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<tr>
<td>EPH Engineering Physics</td>
<td>BSE</td>
<td>Major</td>
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<td>EGL English</td>
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<tr>
<td>ENT Entrepreneurial Studies</td>
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<tr>
<td>GNV Environmental Geology</td>
<td>BA</td>
<td>Major</td>
<td>CAS</td>
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<tr>
<td>EST Environmental Studies</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>ETC Ethics</td>
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<td>Minor</td>
<td>---</td>
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<tr>
<td>ETS Ethnic Studies</td>
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<td>---</td>
</tr>
<tr>
<td>EVB Evolutionary Biology</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>FLR Film</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>FIN Finance</td>
<td>BS</td>
<td>Major</td>
<td>WSOM</td>
</tr>
<tr>
<td>FRC French</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>FFS French and Francophone Studies</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>GEO Geographical Sciences</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>GEM German</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>GES German Studies</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
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<tr>
<td>GER Gerontological Studies</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>HCD Health Communication</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>HST History</td>
<td>BA</td>
<td>Major or Minor</td>
<td>A&amp;S</td>
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<tr>
<td>HSP History &amp; Philosophy of Science</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>IST International Studies</td>
<td>BA</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>IIT Italian</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>JPN Japanese</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>JPS Japanese Studies</td>
<td>BA</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>JDS Judaic Studies</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>LDR Leadership</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>MKR Marketing</td>
<td>BS</td>
<td>Major or Minor</td>
<td>WSOM</td>
</tr>
<tr>
<td>EMS Materials Science and Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
</tr>
<tr>
<td>MAT Mathematics</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>MAP Mathematics and Physics</td>
<td>BS</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>EMC Mechanical Engineering</td>
<td>BSE</td>
<td>Major</td>
<td>CSE</td>
</tr>
<tr>
<td>MDM Mechanical Design and Manufacturing</td>
<td>---</td>
<td>Minor</td>
<td>---</td>
</tr>
<tr>
<td>MUS Music</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>MUE Music Education</td>
<td>BS</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>NAT Natural Sciences</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>NUR Nursing</td>
<td>BSN</td>
<td>Major</td>
<td>FFB</td>
</tr>
<tr>
<td>NTR Nutrition</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>NBM Nutritional Biochemistry and Metabolism</td>
<td>BA or BS</td>
<td>Major</td>
<td>CAS</td>
</tr>
<tr>
<td>PHI Philosophy</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>PHY Physics</td>
<td>BA or BS</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>POS Political Science</td>
<td>BA</td>
<td>Major or Minor</td>
<td>CAS</td>
</tr>
<tr>
<td>POL Polymer Science and Engineering</td>
<td>BSE</td>
<td>Major or Minor</td>
<td>CSE</td>
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</table>
Undergraduate General Degree Requirements

Case Western Reserve University offers a broad range of programs in the liberal arts and sciences, engineering, management, accountancy, and nursing leading to the Bachelor of Arts (BA) and the Bachelor of Science (BS) degrees. These programs provide depth through concentrated study in a major field, breadth through the fulfillment of general education requirements, and open electives.

The BA is available in more than forty fields in the humanities and arts, the social and behavioral sciences, and the natural sciences and mathematics. The BS in Engineering is available in twelve major fields. The BS in Management is available in two major fields. In addition, BS programs are offered in accounting, the natural sciences, mathematics, computer science, statistics, nutrition, art education, music education, and nursing.

The Bachelor of Music (BM) degree is offered by the Cleveland Institute of Music through a joint program with Case Western Reserve University.

General Requirements for all Bachelor's Degrees

The bachelor's degree programs require students to study one field in depth (the major) and to complete general education requirements as appropriate to the major field and degree program selected. There is overlap among general education requirements, which allows students flexibility in the choice of majors and degree programs.

Every candidate for a baccalaureate degree from the university must:

1. complete the requirements of the Seminar Approach to General Education and Scholarship (SAGES), as described below;
2. complete two semesters of physical education through a combination of half and/or full semesters in Physical Education activity courses, as described below;
3. complete the requirements of the major field of study, as described in the relevant sections of the Bulletin;
4. complete the general education requirements of the school and degree program in which the student’s major field of study falls, as described in the relevant section of this chapter of the Bulletin (Arts and Sciences, Engineering, Management, Nursing);
5. complete a course of studies with a cumulative grade point average of no less than 2.000 for work taken at Case Western Reserve University; and
6. earn in residence at Case Western Reserve University a minimum of 60 semester hours, of which at least 15 must be earned after the student has earned a total of 105 semester hours.

SAGES

The Seminar Approach to General Education and Scholarship (SAGES) provides a foundation in critical thinking, written and oral communication, the use of information, quantitative reasoning, engagement with ethical issues and diversity, and exposure to experimental and theoretical approaches to understanding human culture and behavior, scientific knowledge, and methods of research.

The First Seminar

The First Seminar (4 credit-hours, taken in the first semester of enrollment) introduces students to the seminar format through reading, discussion, and intensive writing, and incorporates activities with University Circle institutions. The course focuses on the development of critical thinking and communication skills through the use of a variety of approaches, media, and perspectives to explore the human mind and the nature of inquiry. This course is designed to strengthen writing and analytical skills while building a foundation in ethics, information literacy, and cultural diversity.

Students select a course from:
• First Seminar: Natural World (FSNA 1xx)
• First Seminar: Social World (FSSO 1xx)
• First Seminar: Symbolic World (FSSY 1xx)

Based on test scores and a writing sample, some students will be placed in FSCC 100: The Life of the Mind, designed to provide additional writing support. Most students for whom English is a second language will continue their First Seminar experience in a second semester by enrolling in and completing FSCS 150 First Seminar Continuing Semester (3 credit-hours).

*Transfer Students only: Transfer students who have completed the English composition/expository writing requirement with a grade of C or higher at the college/university at which they previously matriculated will receive transfer credit for FSCC 100-TR (3 – 6 semester hours) and will be required to complete a supplemental 1-semester-hour SAGES introductory seminar – FSTS 100 SAGES Transfer Supplement.

University Seminars
After completion of the First Seminar with a passing evaluative grade and before the end of a student's second year, students must complete two University Seminars (totaling 6 credit-hours). University Seminars provide continued experience in critical reading, writing, and oral communication, as well as information literacy, ethics, and cultural diversity. Each University Seminar explores content determined according to the interests of the faculty. A student's First Seminar and two University Seminars must include a course from each of the three thematic areas: Natural World, Social World.

Students select courses from:
• University Seminar: Thinking About the Natural World (USNA 2xx)
• University Seminar: Thinking About the Social World (USSO 2xx)
• University Seminar: Thinking About the Symbolic World (USSY 2xx)

Students who complete their First Seminar requirement with FSCC 100, FSCS 150, or FSTS 100 may fulfill their University Seminar requirement by choosing courses from any two of the three thematic areas.

University Composition Requirement: The SAGES Writing Portfolio
Students develop a Writing Portfolio comprised of final graded writing assignments from the First Seminar and University Seminars. The Writing Portfolio is due the semester after completing the final University seminar.

Departmental Seminar
The Departmental Seminar (3 credit-hours), generally taken in the junior year after the completion of the University Seminars, focuses on discipline-specific methods and modes of inquiry and communication characteristic of the Department Seminar's discipline. The Departmental Seminar may be taken in the department of the student's major or in another department. A course used to fulfill the Departmental Seminar Requirement may not also be used to fulfill a Breadth Requirement. Courses meeting this requirement include the designation “Approved SAGES Departmental Seminar” in their course descriptions. Some majors include a specific Departmental Seminar as part of their requirements.

Senior Capstone
The Senior Capstone assimilates the knowledge and skills gained throughout the educational process. Students engage in a unique one- or two-semester experience (3-6 credit-hours) designed in consultation with a faculty member. Each Senior Capstone must include key elements:

1. Demonstration of critical thinking and writing skills;
2. Regular oversight by the Capstone advisor;
3. Periodic reporting of progress;
4. Regular writing (e.g. drafts, progress reports, critiques) throughout the project including a final written report which may be a thesis or equivalent document associated with the project or activity (e.g., such pursuits as performance, experiment, live case analysis, or creative writing), as approved by the department of capstone origin; and
5. Oral reports including a final public presentation at the Senior Capstone Fair, a conference, a performance, a public lecture, a teaching presentation, or another setting, as approved by the department of capstone origin.

Courses meeting this requirement include the designation “Approved SAGES Capstone” in their course descriptions. Some majors include a specific a Senior Capstone course as part of their requirements.

Physical Education
All students must complete two full semesters of Physical Education activity courses at zero credit hours. Students may choose from half-semester and full-semester course offerings. If possible, a student should begin meeting this requirement in the first semester and complete it early in his or her undergraduate years.

Requirements for Specific Degrees
Students are expected to complete a bachelor's degree in a timely fashion and will ordinarily be subject to the degree requirements in place at the time of matriculation at Case Western Reserve University, although they may choose to update their requirements to those included in a later General Bulletin.

If a student extends study towards a bachelor’s degree beyond 10 years after first matriculating as an undergraduate student, the major-field department(s) will review the student’s academic record and may update major field requirements. Also, if the student has not already completed the applicable general education requirements in place at the time of matriculation, the appropriate dean in the school offering the major will also review the student’s academic record and may update general education requirements.

Dual Undergraduate Degree Programs
To qualify for two undergraduate degrees, i.e., a BA and a BS degree, or two BS degrees, a student must satisfy all requirements for each degree, and complete for the second degree thirty semester hours of study beyond the hours required for the first degree. A student may, however, complete two or more Arts and Sciences majors within the 120 hour minimum requirement for the BA degree, or two or more Engineering majors within the 128-133 hour minimum requirement for the BS in Engineering degree, or two or more Management majors within the 122 hour minimum requirement for the BS in Management degree. Students who seek a dual-degree program that involves the BM degree must meet Cleveland Institute of Music and Case Western Reserve admission
requirements, and seek approval of both the Cleveland Institute of Music and Case Western Reserve University.

Students completing both a BA and a BS degree are exempted from six hours of the 90-hour requirement of arts and sciences courses for the BA.

A student pursuing two degrees is encouraged to meet with a dean in the Office of Undergraduate Studies, 357 Sears Bldg., to discuss requirements.

**College of Arts and Sciences Undergraduate Degree Requirements**

**Bachelor of Arts Degree**

*(College of Arts and Sciences)*

Candidates for the Bachelor of Arts (BA) degree, in addition to meeting the general requirements for bachelor's degrees *(p. 4)*, including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 120 credit-hours.
2. No more than 42 credit-hours beyond the 100-level in any one department may be applied to the 120 credit-hour total.
3. At least 90 credit-hours in arts and sciences. These credits may be drawn from those offered by the College of Arts and Sciences, as well as those in economics, biochemistry, nutrition and computer science. (Students completing both a BA and BS degree are exempted from six hours of the 90 credit-hour arts and sciences requirement for the BA.)
4. A minimum of 30 credit-hours of courses at the 300- or 400-level.
5. The General Education Requirements of the College of Arts and Sciences listed below.
6. The requirements for a major listed below as specified in this bulletin for each department or program. A major requires a minimum of 30 credit-hours, at least 24 of which are taken in the major department or program.
7. For all courses taken in the major department and for which grades are averaged, and for all courses taken to satisfy major requirements and for which grades are averaged, a BA candidate must earn a minimum cumulative average of 2.000. Major requirements include all required and elective work completed in the major department combined with required courses completed in related fields. Transfer students must complete at Case Western Reserve University at least half the credit-hours required in the major department.

**Major Concentrations Available for the Bachelor of Arts degree:**

- American Studies*
- Anthropology
- Art History
- Asian Studies
- Astronomy
- Biochemistry
- Biology
- Chemical Biology
- Chemistry
- Classics
- Cognitive Science
- Communication Sciences
- Computer Science
- Dance
- Dean's Approved Major**
- Economics
- English
- Environmental Geology
- Environmental Studies*
- Evolutionary Biology*
- French
- French and Francophone Studies
- Geological Sciences
- German
- German Studies
- Gerontological Studies*
- History
- History and Philosophy of Science
- International Studies
- Japanese Studies
- Mathematics
- Music
- Natural Sciences*
- Nutrition
- Nutritional Biochemistry and Metabolism
- Philosophy
- Physics
- Political Science
- Pre-Architecture*
- Psychology
- Religious Studies
- Sociology
- Spanish
- Statistics
- Teacher Education*
- Theater Arts
- Women's and Gender Studies
- World Literature

* May be taken only as a second major.

** Any student interested in developing for the BA a major of his or her own design may submit, before the end of the sophomore year, a program proposal for a Dean's Approved Major to the Office of Undergraduate Studies. The Dean of Undergraduate Studies and the Dean of the College of Arts and Sciences must approve any proposed Dean's Approved Major.

**General Education Requirements of the College of Arts and Sciences**

These requirements provide a broad foundation for the Bachelor of Arts degree program.
Students pursuing a degree in the College of Arts and Sciences may not fulfill the Departmental Seminar requirement with a course that is being used to fulfill an Arts & Humanities, Social Sciences, or Natural & Mathematical Sciences breadth requirement. A course that has been designated as a Departmental Seminar and that also falls into the Global and Cultural Diversity category may be used to fulfill both requirements.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

**Breadth Requirements (minimum of six 3- or 4-credit-hour courses, totaling at least 18 credit-hours)**

NOTE: Two courses used to fulfill requirements for the major may be used also to fulfill the breadth requirements.

**Arts and Humanities (6 - 8 credit-hours)**

Two 3- or 4-credit-hour Arts and Humanities courses selected from:

- Arabic (ARAB)
- Art History (ARTH)
- Art Studio (ARTS)
- Chinese (CHIN)
- Classics (CLSC)
- Dance (DANC)
- English (ENGL)
- French (FRCH)
- German (GRMN)
- Greek (GREK)
- Hebrew (HBRW)
- History (HSTY)
- Italian (ITAL)
- Japanese (JAPN)
- Latin (LATN)
- Music - General (MUGN)
- Music - History (MUHI)
- Music - Popular (MUPM)
- Music - Theory (MUTH)
- Philosophy (PHIL)
- Portuguese (PORT)
- Religious Studies (RLGN)
- Russian (RUSN)
- Spanish (SPAN)
- Theater (THTR)
- World Literature (WLIT)

**Natural and Mathematical Sciences (6 - 8 credit-hours)**

Two 3- or 4-credit-hour Natural and Mathematical Science courses selected from:

- Astronomy (ASTR)
- Biochemistry (BIOC)
- Biology (BIOL)
- Chemistry (CHEM)
- Earth, Environmental and Planetary Sciences (EEPS)
- Mathematics (MATH)
- Nutrition (NTRN)
- Physics (PHYS)
- Statistics (STAT)

**Social Sciences (6 credit-hours)**

Two 3-credit-hour Social Science courses selected from:

- Anthropology (ANTH)
- Cognitive Science (COGS)
- Communication Sciences (COSI)
- Economics (ECON)
- Political Science (POSC)
- Psychology (PSCL)
- Sociology (SOCI)

**Quantitative Reasoning (3 - 4 credit-hours)**

Each student must complete at least one 3- or 4-credit-hour course identified as a quantitative reasoning course selected from the list below. This course may also be used to fulfill a major, minor and/or breadth requirement.

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<tr>
<th>Course</th>
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<td>Design and Analysis of Biological Experiments</td>
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<td>Introduction to Programming in Java</td>
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<td>Math and Calculus Applications for Life, Managerial, and Social Sci I</td>
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<td>Mathematics from a Mathematician’s Perspective</td>
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<td>Introduction to Logic</td>
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<td>STAT 201</td>
<td>Basic Statistics for Social and Life Sciences</td>
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</table>

**Global and Cultural Diversity (3 - 4 credit-hours)**

The goal of the Global and Cultural Diversity requirement is to provide students with the opportunity for academic reflection about the variation in human experience. Courses that satisfy this requirement must (1) substantively explore one or more cultures outside the United States, or (2) address in a substantive way ethnic, gender, sexual, religious, or other cultural practices within the United States, so as to provide students with fresh perspectives on their own cultural assumptions, traditions, and experiences. This course may also be used to fulfill a major requirement and/or one of the breadth requirements.

Students who matriculate as undergraduate degree candidates in August 2012 or later must select a course from the list below; students who matriculated as degree candidates prior to August 2012 can find the list of options from which they may choose on their academic requirements report.

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<tr>
<th>Course</th>
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<td>Post-Colonial Literature</td>
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Bachelor of Science Degree
(Committee on Arts and Sciences)

Candidates for the Bachelor of Science degrees, in addition to meeting the general requirements for bachelor’s degrees (p. 4), including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 120-133 credit-hours as specified by the requirements for each BS program.
2. A minimum of 30 credit-hours of courses at the 300- or 400-level.
3. The General Education Requirements of the College of Arts and Sciences listed below. For some BS programs, the General Education Requirements of the College of Arts and Sciences have been modified and incorporated into the degree requirements as presented in this bulletin in the section devoted to each department or program.
4. The requirements for a major field listed below as presented in this bulletin in the section devoted to each department or program.
5. For all courses taken in the major department and for which grades are averaged, and for all courses taken to satisfy major requirements and for which grades are averaged, a candidate for a BS from the College of Arts and Sciences must earn a minimum cumulative average of 2.000. Major requirements include all required and elective work completed in the major department combined with required courses completed in related fields. Transfer students must complete at least half the credit-hours required for the major.

Major Concentrations for the Bachelor of Science degree:

- Applied Mathematics
- Art Education
- Astronomy
- Biochemistry
- Biology
- Chemistry
- Geological Sciences
- Mathematics
- Mathematics and Physics
- Music Education
- Nutrition
- Nutritional Biochemistry and Metabolism
- Physics
- Statistics
- Systems Biology

& Mathematical Sciences breadth requirement. A course that has been designated as a Departmental Seminar and that also falls into the Global and Cultural Diversity category may be used to fulfill both requirements.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

Breadth Requirements (minimum of six 3- or 4-credit-hour courses, totaling at least 18 credit-hours)

NOTE: Two courses used to fulfill requirements for the major may be used also to fulfill the breadth requirements.

Arts and Humanities (6 - 8 credit-hours)

Two 3- or 4-credit-hour Arts and Humanities courses selected from:

- Arabic (ARAB)
- Art History (ARTH)
- Art Studio (ARTS)
- Chinese (CHIN)
- Classics (CLSC)
- Dance (DANC)
- English (ENGL)
- French (FRCH)
- German (GRMN)
- Greek (GREK)
- Hebrew (HBRW)
- History (HSTY)
- Italian (ITAL)
- Japanese (JAPN)
- Latin (LATN)
- Music - General (MUGN)
- Music - History (MUHI)
- Music - Popular (MUPM)
- Music - Theory (MUTH)
- Philosophy (PHIL)
- Portuguese (PORT)
- Religious Studies (RLGN)
- Russian (RUSN)
- Spanish (SPAN)
- Theater (THTR)
- World Literature (WLIT)

Natural and Mathematical Sciences (6 - 8 credit-hours)

Two 3- or 4-credit-hour Natural and Mathematical Science courses selected from:

- Astronomy (ASTR)
- Biochemistry (BIOC)
- Biology (BIOL)
- Chemistry (CHEM)
- Earth, Environmental and Planetary Sciences (EEPS)
- Mathematics (MATH)
• Nutrition (NTRN)
• Physics (PHYS)
• Statistics (STAT)

Social Sciences (6 credit-hours)

Two 3-credit-hour Social Science courses selected from:

• Anthropology (ANTH)
• Cognitive Science (COGS)
• Communication Sciences (COSI)
• Economics (ECON)
• Political Science (POSC)
• Psychology (PSCL)
• Sociology (SOCI)

Quantitative Reasoning (3 - 4 credit-hours)

Each student must complete at least one 3- or 4-credit-hour course identified as a quantitative reasoning course selected from the list below. This course may also be used to fulfill a major, minor and/or breadth requirement.

ANTH 319 Introduction to Statistical Analysis in the Social Sciences 3
BIOL 321 Design and Analysis of Biological Experiments 3
EECS 132 Introduction to Programming in Java 3
ENGR 131 Elementary Computer Programming 3
MATH 121 Calculus for Science and Engineering I 4
MATH 125 Math and Calculus Applications for Life, Managerial, and Social Sci I 4
MATH 150 Mathematics from a Mathematician’s Perspective 3
PHIL 201 Introduction to Logic 3
PSCL 282 Quantitative Methods in Psychology 3
STAT 201 Basic Statistics for Social and Life Sciences 3

Global and Cultural Diversity (3 - 4 credit-hours)

The goal of the Global and Cultural Diversity requirement is to provide students with the opportunity for academic reflection about the variation in human experience. Courses that satisfy this requirement must (1) substantively explore one or more cultures outside the United States, or (2) address in a substantive way ethnic, gender, sexual, religious, or other cultural practices within the United States, so as to provide students with fresh perspectives on their own cultural assumptions, traditions, and experiences. This course may also be used to fulfill a major requirement and/or one of the breadth requirements.

Students who matriculate as undergraduate degree candidates in August 2012 or later must select a course from the list below; students who matriculated as degree candidates prior to August 2012 can find the list of options from which they may choose on their academic requirements report.

AMST 117 Exploring American History Through Biography 3
ANTH 233 Introduction to Jewish Folklore 3
ANTH 312 Ethnography of Southeast Asia 3
ANTH 349 Cultures of Latin America 3
ANTH 353 Chinese Culture and Society 3
ANTH 354 Health and Healing in East Asia 3
ARAB 337 Women in the Arab World 3
ARAB 349 The Arab World Experience 3
ARTH 101 Art History I: Pyramids to Pagodas 3
ARTH 102 Art History II: Michelangelo to Maya Lin 3
ARTH 208 Arts of Japan 3
ARTH 220 Jewish Traditional Art and Architecture 3
ARTH 230 Ancient Roman Art and Architecture 3
ARTH 241 Medieval Art 3
ARTH 249 The Global Middle Ages: From Paris to Baghdad 3
ARTH 260 Art in Early Modern Europe 3
ARTH 274 Nineteenth-Century European Art 3
ARTH 301 Museums and Globalization 3
ARTH 302 Buddhist Art in Asia 3
ARTH 307 Arts of China 3
ARTH 325 Art at the Crossroads of Religion: Polytheistic, Christian, and Islamic Art in Antiquity 3
ARTH 327 The Parthenon Then and Now: New Discoveries, Old Problems and Reception 3
ARTH 342 Issues in Indian and Southeast Asian Art 3
ARTH 349 Gothic Art: Vision and Matter 3
ARTH 355 The Book in the Middle Ages: The Christian, Jewish, and Islamic Tradition 3
ARTH 358 Medieval Body 3
ARTH 359 Visual Culture of Medieval Women 3
ARTH 360 Renaissance Art in Northern Europe 3
ARTH 361 17th-Century Art in Belgium and The Netherlands 3
ARTH 367 17th and 18th Century Art in France 3
ARTH 382 Art, Eco-criticism, and the Environment 3
ARTH 383 Gender Issues in Feminist Art: The 20th/21st Century 3
ARTS 305 Study Abroad Paris Architecture: Design & Culture 3
ASIA 288 Imperial China: The Great Qing 3
ASIA 289 Reform, Revolution, Republics: China 1895 to Present 3
BETH 315A International Bioethics Policy and Practice: Women’s Health in the Netherlands 3
BETH 315B International Bioethics Policy and Practice: Public Health in the Netherlands 3
BETH 315C International Bioethics Policy and Practice: Health Care Costa Rica 3
BETH 315D French Connections, A Cross-Cultural Comparison of Medical Ethics 3
BETH 315E International Bioethics: Policy and Practice--US and Spanish Perspectives, Salamanca Spain 3
BETH 315F Bioethics Themes as Expressed in Spanish and American Culture: Film, Television, and Literature 3
BETH 315G Death, Dying & Euthanasia: Netherlands & the USA 3
BETH 353 Hindu and Jain Bioethics 3
CHIN 240 Modern Chinese Literature in Translation 3
CHIN 250 Classical Chinese Literature in Translation 3
CHIN 320 Chinese Popular Culture 3
CHIN 330 Chinese Cinema 3
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<td>Advanced Readings in the History of Race</td>
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<td>Twelfth to Sixteenth-Century French Literature</td>
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<td>GRMN 303</td>
<td>German Culture &amp; Civilization</td>
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<td>GRMN 308</td>
<td>The Munich Experience: Spring Course/Summer Study Advanced Level</td>
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<td>Intro to German Literature</td>
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<td>Witches, Weddings, and Wolves</td>
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<td>Topics in Advanced German Culture Studies</td>
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<td>Introduction to Latin American History</td>
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<td>Introduction to Modern South Asia</td>
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<td>Modern Britain and Its Empire</td>
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<td>3</td>
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<tr>
<td>HSTY 353</td>
<td>Women in American History I</td>
<td>3</td>
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<tr>
<td>HSTY 354</td>
<td>Women in American History II</td>
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<tr>
<td>HSTY 363</td>
<td>Gender and Sexuality in America</td>
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<td>HSTY 371</td>
<td>Jews under Islam and Christianity</td>
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<td>HSTY 375</td>
<td>Advance Readings in Latin American History</td>
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<tr>
<td>HSTY 381</td>
<td>City as Classroom</td>
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<td>HSTY 383</td>
<td>Readings in PRC History</td>
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<tr>
<td>HSTY 385</td>
<td>Readings in Society and Culture in Modern Chinese History</td>
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<td>HSTY 387</td>
<td>Growing Up in America: 1607 - 2000</td>
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<td>HSTY 389</td>
<td>History of Zionism</td>
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<tr>
<td>HSTY 393</td>
<td>Advanced Readings in the History of Race</td>
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<tr>
<td>JDST 208</td>
<td>Introduction to Western Religions</td>
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<tr>
<td>JDST 218</td>
<td>Jews in Early Modern Europe</td>
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<tr>
<td>JDST 220</td>
<td>Jewish Traditional Art and Architecture</td>
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<td>JDST 228</td>
<td>The Jewish Image in Popular Film</td>
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<tr>
<td>JDST 233</td>
<td>Introduction to Jewish Folklore</td>
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<tr>
<td>JDST 254</td>
<td>The Holocaust</td>
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<td>JDST 341</td>
<td>Jewish Urban History</td>
<td>3</td>
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<tr>
<td>JDST 371</td>
<td>Jews under Islam and Christianity</td>
<td>3</td>
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<tr>
<td>JDST 389</td>
<td>History of Zionism</td>
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<td>MUED 305</td>
<td>World Music in Education</td>
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<td>MUHI 310</td>
<td>Music Cultures of the World: Music of Asia and Africa</td>
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<td>MUHI 313</td>
<td>American Popular Song to 1950</td>
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<tr>
<td>MUHI 314</td>
<td>Blues Histories and Cultures</td>
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<tr>
<td>MUHI 315</td>
<td>History of Jazz and American Popular Music</td>
<td>3</td>
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<td>MUHI 320</td>
<td>Global Pop</td>
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<tr>
<td>MUPM 212</td>
<td>History of Rock and Roll</td>
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<td>MUPM 215</td>
<td>History and Styles of Jazz</td>
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<tr>
<td>PHIL 221</td>
<td>Indian Philosophy</td>
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<tr>
<td>PHIL 270</td>
<td>Introduction to Gender Studies</td>
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<tr>
<td>PHIL 316</td>
<td>African Political Thought</td>
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<tr>
<td>PHIL 325</td>
<td>Philosophy of Feminism</td>
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<td>PHIL 356</td>
<td>Comparative Philosophy</td>
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</tr>
<tr>
<td>POSC 160</td>
<td>Introduction to Comparative Politics</td>
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<td>POSC 326</td>
<td>Constitutions in Practical Politics</td>
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<td>POSC 342</td>
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<td>POSC 361</td>
<td>State-Building and State Collapse</td>
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<td>POSC 362</td>
<td>Politics of Central Asia</td>
<td>3</td>
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<td>POSC 364</td>
<td>Dictatorship and Democracy in Modern Latin America</td>
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<td>POSC 369</td>
<td>Current Controversies in Latin American Politics and Society</td>
<td>3</td>
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<tr>
<td>POSC 370D</td>
<td>The Politics of China</td>
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<tr>
<td>POSC 370H</td>
<td>China’s Foreign Policy</td>
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<tr>
<td>POSC 377</td>
<td>Politics of Russia</td>
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<tr>
<td>POSC 379</td>
<td>Introduction to Middle East Politics</td>
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<td>POSC 381</td>
<td>City as Classroom</td>
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<tr>
<td>RLGN 102</td>
<td>Introduction to the Study of Religion</td>
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<tr>
<td>RLGN 108</td>
<td>The History of Yoga: The Yoga of Transformation and the Transformation of Yoga</td>
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<td>RLGN 208</td>
<td>Introduction to Western Religions</td>
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<tr>
<td>RLGN 214</td>
<td>Introduction to Islam</td>
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<td>RLGN 217</td>
<td>Buddhism</td>
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<tr>
<td>RLGN 219</td>
<td>Islam in America</td>
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<td>RLGN 221</td>
<td>Indian Philosophy</td>
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</tr>
<tr>
<td>RLGN 223</td>
<td>Religious Roots of Conflict in the Middle East</td>
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<tr>
<td>RLGN 232</td>
<td>DESI: Diaspora, Ethnicity, Southasia(n), Interrogate</td>
<td>3</td>
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<tr>
<td>RLGN 238</td>
<td>Alternative Altars: Folk Religion in America</td>
<td>3</td>
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<tr>
<td>RLGN 254</td>
<td>The Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 260</td>
<td>Introduction to the Qur’an</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 265</td>
<td>Malcolm and Martin</td>
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</tr>
<tr>
<td>RLGN 270</td>
<td>Introduction to Gender Studies</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 304</td>
<td>Representations of Black Women and Religion in Film</td>
<td>3</td>
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<tr>
<td>RLGN 312</td>
<td>The Mythical Trickster</td>
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</tr>
<tr>
<td>RLGN 315</td>
<td>Heresy and Dissidence in the Middle Ages</td>
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<tr>
<td>RLGN 319</td>
<td>The Crusades</td>
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</tr>
<tr>
<td>RLGN 353</td>
<td>Hindu and Jain Bioethics</td>
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</tr>
<tr>
<td>RLGN 371</td>
<td>Jews under Islam and Christianity</td>
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</tr>
<tr>
<td>RLGN 373</td>
<td>History of the Early Church: First Through Fourth Centuries</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 374</td>
<td>Reformation Europe, 1500-1650</td>
<td>3</td>
</tr>
</tbody>
</table>

*Note: The above course list is not exhaustive and only includes a selection of courses.*
SASS 325  The Netherlands Social Justice: Health and Violence  3
SASS 375  International Travel and Study Seminar  3
SASS 375A - Human Development in Ecuador  3
SASS 375B - Mental Health in the Netherlands  3
SASS 375C - Invisibles in Poland  3
SASS 375D - Child Welfare in Guatemala  3
SASS 375E - Microfinance in Bangladesh  3
SASS 375F  Gender and Sexuality Justice: LGBTQ life in Contemporary Dutch Culture  3
SASS 375i  Global Issues, Health, & Sustainability in India  3
SJUS 100  Introduction to Social Justice  3
SOCI 201  Introduction to Gender Studies  3
SOCI 302  Race and Ethnic Minorities in American Society  3
SOCI 326  Gender, Inequality, and Globalization  3
SOCI 328  Urban Sociology  3
SOCI 381  City as Classroom  3
SPAN 303  Latin American History through Art, Literature and Cinema  3
SPAN 325  Hispanic Intellectuals and Society: A Critical Approach  3
SPAN 333  Contemporary Caribbean Literature  3
SPAN 334  Mexican Literature  3
SPAN 339  Latin American Poetic Revolt  3
SPAN 343  The New Drama in Latin American  3
SPAN 356  Afro-Hispanic Literature  3
SPAN 358  Latin American Cinema  3
WGST 201  Introduction to Gender Studies  3
WGST 257  Women's Histories in South Asia  3
WGST 304  Representations of Black Women and Religion in Film  3
WGST 315A  International Bioethics Policy and Practice: Women's Health in the Netherlands  3
WGST 325  Philosophy of Feminism  3
WGST 326  Gender, Inequality, and Globalization  3
WGST 337  Women in the Arab World  3
WGST 343  Language and Gender  3
WGST 349  The Arab World Experience  3
WGST 353  Women in American History I  3
WGST 354  Women in American History II  3
WGST 359  Visual Culture of Medieval Women  3
WGST 363  Gender and Sexuality in America  3
WLIT 325  Hispanic Intellectuals and Society: A Critical Approach  3
WLIT 333  Contemporary Caribbean Literature  3
WLIT 339  Latin American Poetic Revolt  3
WLIT 343  The New Drama in Latin American  3
WLIT 356  Afro-Hispanic Literature  3
WLIT 358  Latin American Cinema  3
WLIT 363H  African-American Literature  3
WLIT 365E  The Immigrant Experience  3
WLIT 365N  Topics in African-American Literature  3
WLIT 365Q  Post-Colonial Literature  3
WLIT 366G  Minority Literatures  3

Case School of Engineering
Undergraduate Degree Requirements

Bachelor of Science in Engineering Degree
(Case School of Engineering)

Candidates for the Bachelor of Science in Engineering (BSE) degree, in addition to meeting the general requirements for bachelor's degrees, including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 128-133 credit-hours as specified by the requirements for each BSE program.
2. The General Education Requirements of the Case School of Engineering listed below.
3. The requirements for the specific engineering major listed below as presented in this Bulletin in the section devoted to each department or program.

Note that most students pursuing a degree from the Case School of Engineering will complete ENGR 398 and ENGL 398 to fulfill the SAGES Departmental Seminar requirement and will complete an engineering senior project in their major to fulfill the SAGES Senior Capstone requirement.

Major Fields Available for the Bachelor of Science in Engineering degree:

- Aerospace Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Physics
- Materials Science and Engineering
- Mechanical Engineering
- Polymer Science and Engineering
- Systems and Control Engineering
- Engineering (undesignated)

With the exception of the undesignated major in engineering, all of the engineering programs listed above are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET).

General Education Requirements of the Case School of Engineering

These requirements provide a foundation in mathematics and sciences for programs in engineering leading to the Bachelor of Science degree. The CSE general education requirements are also designed to develop
communication skills and to provide a body of work in the humanities and social sciences.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy Case School of Engineering general education requirements.

**Mathematics, Sciences, and Engineering Requirements (44 credit-hours)**

<table>
<thead>
<tr>
<th>Mathematics, Science, and Engineering Requirements</th>
<th>14</th>
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</thead>
<tbody>
<tr>
<td>MATH 121 Calculus for Science and Engineering I</td>
<td></td>
</tr>
<tr>
<td>MATH 122 Calculus for Science and Engineering II or MATH 124 Calculus II</td>
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</tr>
<tr>
<td>MATH 223 Calculus for Science and Engineering III or MATH 227 Calculus III</td>
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</tr>
<tr>
<td>MATH 224 Elementary Differential Equations or MATH 228 Differential Equations</td>
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<table>
<thead>
<tr>
<th>Chemistry</th>
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</thead>
<tbody>
<tr>
<td>CHEM 111 Principles of Chemistry for Engineers</td>
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<thead>
<tr>
<th>Physics</th>
<th>8</th>
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</thead>
<tbody>
<tr>
<td>PHYS 121 General Physics I - Mechanics or PHYS 123 Physics and Frontiers I - Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 122 General Physics II - Electricity and Magnetism or PHYS 124 Physics and Frontiers II - Electricity and Magnetism</td>
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</table>

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<thead>
<tr>
<th>Engineering</th>
<th>18</th>
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</thead>
<tbody>
<tr>
<td>ENGR 131 Elementary Computer Programming or EECS 132 Introduction to Programming in Java</td>
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</tr>
<tr>
<td>ENGR 145 Chemistry of Materials or EMSE 146 Principles and Applications of Materials Chemistry</td>
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<tr>
<td>ENGR 200 Statics and Strength of Materials</td>
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<tr>
<td>ENGR 210 Introduction to Circuits and Instrumentation</td>
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<tr>
<td>ENGR 225 Thermodynamics, Fluid Dynamics, Heat and Mass Transfer</td>
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</tr>
</tbody>
</table>

**Total Units** 44

* NOTE: The Chemistry-Materials course sequences CHEM 105-CHEM 106-ENGR 145/EMSE 146 or AP/IB credit in chemistry-ENGR 145/EMSE 146, or CHEM 105-CHEM 106-EMAC 276 may substitute for the sequence CHEM 111-ENGR 145/EMSE 146

**Other Courses that Meet this Requirement for CSE Degree Candidates:** Applied Social Sciences (SASS), Bioethics (BETH)

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**Bachelor of Science in Computer Science Degree**

(Case School of Engineering)

Candidates for the Bachelor of Science in Computer Science degree, in addition to meeting the general requirements for bachelor's degrees (p. 4), including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 129 credit-hours.
2. The General Education Requirements of the Case School of Engineering as modified for the Bachelor of Science in Computer Science degree listed below.
3. The requirements for the computer science Bachelor of Science major as presented in this Bulletin.

Note that most students pursuing a degree from the Case School of Engineering will complete ENGR 398 and ENGL 398 to fulfill the SAGES Departmental Seminar requirement and will complete an engineering senior project in their major to fulfill the SAGES Senior Capstone requirement.

**General Education Requirements of the Case School of Engineering, modified for the Bachelor of Science in Computer Science degree**

These requirements provide a foundation in mathematics and sciences for the Bachelor of Science program in computer science. The CSE general education requirements are also designed to develop communication skills and to provide a body of work in the humanities and social sciences.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy Case School of Engineering general education requirements.

**Mathematics, Sciences, and Engineering Requirements (33 credit-hours)**

<table>
<thead>
<tr>
<th>Mathematics, Science, and Engineering Requirements</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 121 Calculus for Science and Engineering I</td>
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</tr>
<tr>
<td>MATH 122 Calculus for Science and Engineering II or MATH 124 Calculus II</td>
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</tr>
</tbody>
</table>

**Total Units** 15

* Humanities: Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREEK), Hebrew (HBRW), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Popular Music (MUPM), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)

* Social Sciences: Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCI), and/or Other Courses that Meet this Requirement for CSE Degree Candidates: Applied Social Sciences (SASS), Bioethics (BETH)
MATH 223  Calculus for Science and Engineering III
or MATH 227  Calculus III
MATH 224  Elementary Differential Equations
or MATH 228  Differential Equations

Chemistry  4
CHEM 111  Principles of Chemistry for Engineers

Physics  8
PHYS 121  General Physics I - Mechanics
or PHYS 123  Physics and Frontiers I - Mechanics
PHYS 122  General Physics II - Electricity and Magnetism
or PHYS 124  Physics and Frontiers II - Electricity and Magnetism

Engineering  7
EECS 132  Introduction to Programming in Java
ENGR 145  Chemistry of Materials
or EMSE 146  Principles and Applications of Materials Chemistry

Total Units  33

*  NOTE: The Chemistry-Materials course sequences CHEM 105-CHEM 106-ENGR 145/EMSE 146 or AP/IB credit in chemistry-ENGR 145/EMSE 146, or CHEM 105-CHEM 106-EMAC 276 may substitute for the sequence CHEM 111-ENGR 145/EMSE 146

Natural Sciences, Mathematics, or Statistics Requirement (3 credit-hours)
Course designated by major department.

Humanities and Social Sciences (15 credit-hours)
ENGL 398  Professional Communication for Engineers  2
ENGR 398  Professional Communication for Engineers  1
Twelve credit-hours comprised of 3 or 4 credit-hour courses  12
Total Units  15

*  Humanities: Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREK), Hebrew (HBWR), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Popular Music (MUPM), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)
and/or
Social Sciences: Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCI), and/or
Other Courses that Meet this Requirement for CSE Degree Candidates: Applied Social Sciences (SASS), Bioethics (BETH)

Weatherhead School of Management Undergraduate Degree Requirements

Bachelor of Science Degree
(Weatherhead School of Management)

Candidates for the Bachelor of Science in Accounting and the Bachelor of Science in Management degrees, in addition to meeting the general requirements for bachelor's degrees (p. 4), including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 122 credit-hours.
2. The General Education Requirements of the Weatherhead School of Management listed below.
3. The requirements for a major in accounting or management as presented in this Bulletin in the section devoted to each department or program.
4. For all courses taken in the major department and for which grades are averaged, and for all courses taken to satisfy major requirements and for which grades are averaged, a candidate for a BS from the Weatherhead School of Management must earn a minimum cumulative average of 2.000. Major requirements include all required and elective work completed in the major department combined with required courses completed in related fields. Transfer students must complete at Case Western Reserve University at least half the hours required for the major.
5. A minimum of 30 credit-hours of courses at the 300- or 400-level.

Note that most students pursuing a degree from the Weatherhead School of Management will complete three one-credit-hour MGMT 395 seminars to fulfill the SAGES Departmental Seminar requirement.

Majors Available for the Bachelor of Science in Management degree:

• Dean's Approved Major*
• Finance
• Marketing

*Any student interested in developing a major of his or her own design for the BS in Management should consult with the Office of Undergraduate and Integrated Study Programs in the Weatherhead School of Management.

General Education Requirements of the Weatherhead School of Management
(minimum of eight 3- or 4 credit-hour courses, totaling at least 26 credit-hours)

These requirements provide a broad educational foundation for programs in accounting and management, leading to the Bachelor of Science degree.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer credit may be used to satisfy Weatherhead School of Management general education requirements.
NOTE: Two courses used to fulfill requirements for the major may be used also to fulfill the breadth requirements.

**Arts and Humanities (6 - 8 credit-hours)**

Two 3- or 4-credit-hour Arts and Humanities courses selected from:

- Arabic (ARAB)
- Art History (ARTH)
- Art Studio (ARTS)
- Chinese (CHIN)
- Classics (CLSC)
- Dance (DANC)
- English (ENGL)
- French (FRCH)
- German (GRMN)
- Greek (GREK)
- Hebrew (HBRW)
- History (HSTY)
- Italian (ITAL)
- Japanese (JAPN)
- Latin (LATN)
- Music - General (MUGN)
- Music - History (MUHI)
- Music - Popular Music (MUPM)
- Music - Theory (MUTH)
- Philosophy (PHIL)
- Portuguese (PORT)
- Religion (RLGN)
- Russian (RUSN)
- Spanish (SPAN)
- Theater (THTR)
- World Literature (WLIT)

**Natural and Mathematical Sciences (14 - 16 credit-hours)**

- MATH 125 Math and Calculus Applications for Life, Managerial, and Social Sci I 4
- MATH 126 Math and Calculus Applications for Life, Managerial, and Social Sci II 4

Two Natural Sciences courses * 6

Total Units 14

* Any two 3- or 4-credit-hour Natural Science courses selected from:
  - Astronomy (ASTR), Biochemistry (BIOC), Biology (BIOL), Chemistry (CHEM), Earth, Environmental, and Planetary Sciences (EEPS), Nutrition (NTRN), Physics (PHYS)

**Social Sciences (6 credit-hours)**

Any two 3-semester hour Social Science courses except ECON 102 Principles of Microeconomics* or ECON 103 Principles of Macroeconomics* selected from: Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCI).

- ECON 102 Principles of Microeconomics and ECON 103 Principles of Macroeconomics are included in Accounting and Management major requirements.

**Frances Payne Bolton School of Nursing Undergraduate Degree Requirements**

**Bachelor of Science in Nursing Degree (Frances Payne Bolton School of Nursing)**

Candidates for the Bachelor of Science in Nursing (BSN) degree, in addition to meeting the general requirements for bachelor's degrees (p. 4), including the SAGES and Physical Education requirements, must also complete the following requirements:

1. A minimum of 126 credit-hours.
2. The General Education Requirements of the Frances Payne Bolton School of Nursing listed below.
3. The requirements for the major in nursing as presented in this Bulletin.
4. For all courses specifically required for the major in nursing, a minimum grade of C.

Note that most Nursing students will complete NURS 320 Theoretical and Evidence Bases for Best Practice in Nursing to fulfill the SAGES Departmental Seminar requirement and will complete NURS 373 Global Health Practicum to fulfill the SAGES Senior Capstone requirement. Also, most Nursing students will complete NURS 277 upon matriculation to count as a half-semester of Physical Education credit; this course may be used again two years later for a second half-semester.

**General Education Requirements of the Frances Payne Bolton School of Nursing**

(minimum of ten 3- or 4-credit-hour courses, totaling at least 30 credit-hours)

These requirements provide a broad educational foundation for the Bachelor of Science in Nursing program.

Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer credit may be used to satisfy School of Nursing general education requirements.

**Arts and Humanities (6 - 8 credit-hours)**

Two 3- or 4-credit-hour Arts and Humanities courses selected from:

- Arabic (ARAB)
- Art History (ARTH)
- Art Studio (ARTS)
- Chinese (CHIN)
- Classics (CLSC)
- Dance (DANC)
- English (ENGL)
- French (FRCH)
- German (GRMN)
- Greek (GREK)
- Hebrew (HBRW)
• History (HSTY)
• Italian (ITAL)
• Japanese (JAPN)
• Latin (LATN)
• Music - General (MUGN)
• Music - History (MUHI)
• Music - Popular Music (MUPM)
• Music - Theory (MUTH)
• Philosophy (PHIL)
• Portuguese (PORT)
• Religious Studies (RLGN)
• Russian (RUSN)
• Spanish (SPAN)
• Theater (THTR)
• World Literature (WLIT)

Natural and Mathematical Sciences (18 credit-hours)

Mathematical Reasoning and Analysis *
ANTH 319 Introduction to Statistical Analysis in the Social Sciences 3
PSCL 282 Quantitative Methods in Psychology
STAT 201 Basic Statistics for Social and Life Sciences

Natural Sciences

BIOL 114 Principles of Biology
BIOL 116 Introduction to Human Anatomy and Physiology I
BIOL 117 Introduction to Human Anatomy and Physiology II
CHEM 119 Concepts for a Molecular View of Biology I
CHEM 121 Concepts for a Molecular View of Biology II 15

Total Units 18

* Students choose one of these three courses. A student who successfully completes any one of these courses is not eligible to enroll in or receive credit for either of the other two.

Social Sciences

SOCL 203  Human Development: Medical and Social ** 3

Social Science course 3

Total Units 6

* or approved course in human growth and development
** Any 3-semester hour course selected from: Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCL)

Acceleration Toward Professional Degrees

Senior Year in Professional Studies at Case Western Reserve University

Students of outstanding ability and attainment who are candidates for the BA and who are admitted to professional studies in Case Western Reserve University by the end of the junior year are offered an opportunity to shorten their entire course of studies by one year through the Senior Year in Professional Studies privilege. Application should be made during the second semester of the junior year through the dean of undergraduate studies. This privilege is extended to students who are candidates for the BA and who attend the School of Dental Medicine, the School of Medicine, the Frances Payne Bolton School of Nursing, or the Mandel School of Applied Social Sciences of Case Western Reserve University.

A student granted the senior year in professional studies privilege is permitted to substitute the work of the first year in a professional school for that required during the last year in the undergraduate college. Upon the satisfactory completion of the first year’s work in the professional school, the student will be granted the bachelor’s degree from the College of Arts and Sciences. To be eligible for the senior year in professional studies privilege, a student must:

1. Be accepted for admission to professional studies in Case Western Reserve University.
2. Meet the following degree requirements:
   a. Completion of the SAGES requirements, the General Education Requirements of the College of Arts and Sciences, and the physical education requirement.
   b. Completion of three-fourths of the courses required for the major, including three-fourths of the courses required in the major department.
   c. Completion of 84 credit-hours of arts and sciences courses. These credit-hours may be drawn from those offered by the College of Arts and Sciences, as well as those in economics, biochemistry, nutrition, or computer science.
   d. Completion of at least 90 credit-hours of academic work, of which the final 60 credit-hours must have been in residence. A student may include in that final 60 credit-hours no more than six credit-hours earned in courses completed in other institutions, either by cross-registration in regular sessions or by approved transient registration in summer sessions. (Note: Students applying for the Senior Year in Professional Studies in the School of Medicine will generally be expected to have completed at least 117 credit-hours towards the BA degree.)

Upon admission to the program, students register in the professional school to which they have been admitted and are subject to the policies, rules and regulations of the professional school. They may, however, continue to receive merit-based undergraduate scholarships and may continue to reside in undergraduate housing during what would normally be their senior year of undergraduate work.

For information, contact the Office of Undergraduate Studies (ugstudies@case.edu), 357 Sears Bldg., 216.368.2928.
Senior Year in Absentia Privilege for Students of Medicine and Dentistry

Students of outstanding ability and attainment who are candidates for the BA degree and are offered admission to a medical or dental school other than those at Case Western Reserve University at the end of the junior year are eligible for an opportunity to shorten their entire course of studies by one year through the Senior Year in absentia privilege. Application for this privilege should be made during the second semester of the junior year through the dean of undergraduate studies.

A student granted the Senior Year in absentia privilege is permitted to substitute the work of the first year in a professional school for that required during the last year in the undergraduate college. Upon the satisfactory completion of the first year’s work in the professional school, the student will be granted the BA from the College of Arts and Sciences. The privilege is extended to qualified students who attend medical schools in the United States or Canada approved by the Association of American Medical Colleges or dental schools in the United States approved by the American Association of Dental Schools.

To be eligible for the Senior Year in absentia privilege, a student must:

1. Be accepted for admission to professional studies.
2. Attain a cumulative grade point average of at least 3.200 in all courses attempted from the date of admission as an undergraduate.
3. Meet the following degree requirements:
   a. Completion of the SAGES requirements, the General Education Requirements of the College of Arts and Sciences, and the physical education requirement.
   b. Completion of three-fourths of the courses required for the major, including three-fourths of the courses required in the major department.
   c. Completion of 84 credit-hours of arts and sciences courses. These credits may be drawn from those offered by the College of Arts and Sciences, as well as those in economics, biochemistry, nutrition, or computer science.
   d. Completion of at least 90 credit-hours of academic credit, of which the final 60 credit-hours must have been in residence. A student may include in that final 60 credit-hours no more than six credit-hours earned in courses completed in other institutions, either by cross-registration in regular sessions or by approved transient registration in summer sessions.

For information, contact the Office of Undergraduate Studies (ugstudies@case.edu), 357 Sears Bldg., 216.368.2928.

For Candidates for the BS in Accounting

There are two programs that enable attainment of a BS in Accounting and a Master of Accountancy (MAcc) (http://bulletin.case.edu/weatherheadschoolofmanagement/masterprograms) degree in five years or less. These programs are strongly recommended for those individuals planning to become certified accounting professionals, particularly as CPAs (Certified Public Accountants).

Joint BS in Accounting/Master of Accountancy (MAcc)

The University policies regarding the Joint BS in Accounting/Master of Accountancy program permit such students an opportunity to work towards completion of the Master of Accountancy during their undergraduate studies. By doing so, students are able to lessen the course load in their fifth year. After completion of the senior year, these students then enroll as graduate students in the Weatherhead School of Management to complete the master’s degree. For information, see Assistant Dean Tiffany Welch (tiffany.welch@case.edu), 472 Peter B. Lewis Building, 216.368.2058.

Accelerated BS in Accounting/Master of Accountancy (MAcc) Program

This program allows motivated students to accelerate their pursuit of both the BS and MAcc degrees. The Accelerated BS/MAcc program allows students to complete both degrees within the eight academic semesters as an undergraduate student. In some cases, one additional semester of study is needed to complete both degrees, at which time the student would be considered a Weatherhead graduate student.

Because of the necessity for proper planning of coursework and programs, undergraduate students are strongly encouraged to apply for the Master of Accountancy in the junior year. Weatherhead students must apply for and be admitted to the Master of Accountancy program. The Graduate Management Admission Test (GMAT) is required for admission to the MAcc program, but may be waived if certain requirements are met. Once admitted, students in an integrated study program are required to design a comprehensive study plan with both their Weatherhead undergraduate adviser and the faculty director of the MAcc program. For information, see Assistant Dean Tiffany Welch (tiffany.welch@case.edu), 472 Peter B. Lewis Building, 216.368.2058.

Acceleration Toward Graduate Study

Integrated Graduate Studies Program

The Integrated Graduate Studies Program (IGS) is intended for highly motivated undergraduate students who are candidates for the BA degree and whose objective is a degree at the master’s or doctoral level. Qualified students may be admitted to graduate study for their senior year and pursue the simultaneous completion of requirements for both the master’s and bachelor’s degrees. The baccalaureate will normally be awarded upon completion of the requirements for both degrees, unless a student satisfies all BA requirements prior to completing the master’s degree requirements. Students in the IGS Program are exempted from the 42-hour restriction imposed on BA candidates for work above the 100-level in a single department. However, the exemption is granted only upon completion of the master’s degree requirements.

Eligibility requirements for participation in the Integrated Graduate Studies Program are:

1. 90 credit-hours earned of which the last 60 credit-hours must have been in residence at Case Western Reserve University.
2. Completion of the SAGES requirements, the General Education Requirements of the College of Arts and Sciences, and the physical education requirement; students who have fulfilled all SAGES requirements except the Senior Capstone will be required to complete the capstone during their first year in the IGS program.
3. Completion of three-fourths of the requirements for the major concentration, including three-fourths of the courses required in the major department.

4. Admission to a master’s or doctoral program offered through the School of Graduate Studies.

Upon admission to the program, IGS students register as students in the School of Graduate Studies and are subject to the policies, rules and regulations of the School of Graduate Studies. They may, however, continue to receive merit-based undergraduate scholarships and may continue to reside in undergraduate housing during what would normally be their senior year of undergraduate work.

For information, contact the Office of Undergraduate Studies (ugstudies@case.edu), 357 Sears Bldg., 216.368.2928.

**Integrated BS/MS in Nutrition**

Admission to the Integrated BS/MS in Nutrition program is subject to the same process and requirements as admission to the Integrated Graduate Studies Program described above. Upon successful completion of the program, students earn the BS in Nutrition and the MS in Nutrition.

**BS/MS Program for Candidates for the BS in Engineering, Computer Science, Mathematics, Natural Sciences, and Statistics**

The Integrated BS/MS Program is intended for highly motivated candidates for the BS in engineering, computer science, mathematics, natural sciences, or statistics who wish to pursue an advanced degree. Application to the BS/MS program must be made after completion of 75 credit-hours of course work and prior to attaining senior status (completion of 90 semester hours). Generally, this means that a student will submit the application during his or her sixth semester of undergraduate course enrollment and will have no fewer than two semesters of remaining BS requirements to complete.

A student admitted to the program may, in the senior year, take up to nine credit-hours of graduate courses (400-level and above) that will count towards both BS and MS requirements. The courses to be double-counted must be specified at the time of application. Courses taken prior to admission to the program cannot count towards the MS unless they are in excess of BS degree requirements and permission to use them towards the MS has been granted by the dean of graduate studies and the dean of undergraduate studies.

To be considered for the BS/MS Program, a student must:

1.Submit to the School of Graduate Studies an application for admission to the program, and
2. Submit to the Office of Undergraduate Studies an MS Planned Program of Study Form, showing the courses to be double-counted.

Students for whom the master’s project or thesis is a continuation and development of the senior project should register for Exxx 651 Thesis (or the appropriate project course) during the senior year and are expected to complete all other courses for the BS before enrolling in further MS course work and thesis (continuing the senior project). Students for whom the master’s thesis or project is distinct from the senior project will be expected to complete the BS degree before taking further graduate courses for the master’s degree.

Applicants in engineering or computer science should consult their departmental BS/MS advisor in the Case School of Engineering.

Applicants in mathematics, natural sciences, and statistics should consult the dean of undergraduate studies.

**Conditionally Guaranteed Admission to the University’s Professional Schools**

The Pre-Professional Scholars Programs in medicine, dentistry, law, and social work grant to a few outstanding, entering first-year undergraduates conditional commitments of admission to the appropriate professional school at Case Western Reserve University. These commitments are honored upon successful completion of the requirements established by each professional school. Students admitted to these programs are relieved of much of the anxiety and uncertainty associated with pre-professional studies. Consequently, they feel free to undertake challenging courses of study and pursue a variety of interests as they prepare for professional studies. Pre-Professional Scholars are free to choose any of the bachelor’s degrees available in the University. Participants who wish to change their career goals or apply for admission to other professional schools are free to do so.

The Six-Year Dental Program gives exceptionally able and committed entering first-year undergraduates the opportunity to accelerate their undergraduate and professional studies.

**Pre-Professional Scholars Program in Dentistry**

Each year, a small number of exceptionally well-qualified high school seniors who plan to pursue careers in dentistry are offered places in the Pre-Professional Scholars Program in Dentistry. This program requires eight years: four years of successful undergraduate study and four years at the School of Dental Medicine.

Pre-Professional Scholars in Dentistry are free to choose a major in an area of interest, but must take the following courses to fulfill admission requirements of the School of Dental Medicine:

**Chemistry**:  
- CHEM 105 \(\text{Principles of Chemistry I}\) 3  
- CHEM 106 \(\text{Principles of Chemistry II}\) 3  
- CHEM 113 \(\text{Principles of Chemistry Laboratory}\) 2  
- CHEM 223 \(\text{Introductory Organic Chemistry I}\) 3  
- CHEM 224 \(\text{Introductory Organic Chemistry II}\) 3  
- CHEM 233 \(\text{Introductory Organic Chemistry Laboratory I}\) 2  
- CHEM 234 \(\text{Introductory Organic Chemistry Laboratory II}\) 2

**Biology**:  
- BIOL 214 & 214L \(\text{Genes, Evolution and Ecology and Genes, Evolution and Ecology Lab}\) 4  
- BIOL 215 & 215L \(\text{Cells and Proteins and Cells and Proteins Laboratory}\) 4  
- BIOL 216 & 216L \(\text{Development and Physiology and Development and Physiology Lab}\) 4

**Mathematics**:  
- MATH 125 \(\text{Math and Calculus Applications for Life, Managerial, and Social Sci I}\) 4

**Physics**:  
- MATH 125 \(\text{Math and Calculus Applications for Life, Managerial, and Social Sci I}\) 4
They are required to take the Dental Admission Test in the junior year and achieve an acceptable level of performance on the test.

Successful progress through the program and admission to dental studies will be based on the pre-professional scholar’s continuing to fulfill expectations for outstanding personal and academic development and on the scholar’s achievement of a cumulative grade point average of 3.250 or higher for his or her work overall, as well as for his or her work in the required sciences. Successful progress in the program will be determined individually and reviewed at regular intervals during the student's undergraduate career.

Pre-Professional Scholars in Dentistry who wish to accelerate their program may apply for the senior year in professional studies (http://case.edu/ugstudies/programs/senior-year-professional-studies.html) privilege.

### Six-Year Dental Program

Each year a few exceptionally well-qualified high school seniors who plan to pursue careers in dentistry are offered places in the Six-Year Dental Program.

The first two years of the program are spent pursuing undergraduate studies, advised by the director of health career advising. Students are required to earn a minimum of 60 credit-hours. They are required to take all of the science and mathematics courses listed above for the Pre-Professional Scholars Program in Dentistry. If Advanced Placement credit is used to satisfy some of these science requirements, a minimum of 30 credit-hours in biology, chemistry, physics, and mathematics must be taken during the two years of undergraduate study. Additionally, to meet general education requirements, students must take one year of physical education, First Seminar, two University Seminars, one course in the area of Arts and Humanities, and one courses in the area of Social Sciences, and must complete a writing portfolio. To qualify for the place reserved in the School of Dental Medicine, a student in the program must achieve the following:

1. A cumulative grade point average of 3.250 or higher for all course work completed;
2. Grades of B or higher in the required courses in biology, chemistry, physics, and mathematics;
3. An average score of 18 or higher on both the academic and PAT portions of the Dental Admission Test of the American Dental Association. The test must be taken no later than April of the second year.

### Pre-Professional Scholars Program in Law

Each year, a small number of exceptionally well-qualified high school seniors who plan to pursue careers in law will be offered places in the Pre-Professional Scholars Program in Law at Case Western Reserve University. Pre-Professional Scholars receive a conditional commitment of admission to the Case Western Reserve School of Law, to be honored upon completion of the bachelor's degree at the University.

The Pre-Professional Scholars in Law are encouraged to gain a wide cultural experience in their undergraduate studies, to major in the area that most interests them, and to choose courses in which they will learn habits of rigor and logical analysis. The law school encourages applications from all majors, including engineering and the sciences. The School of Law recommends that Pre-Professional Scholars in Law take courses in accounting, economics, history, and philosophy and that they gain as much writing experience as possible, because the ability to write effectively is critical to success in law school and legal practice.

Students admitted to the Pre-Professional Scholars Program in Law will be guaranteed a seat in the School of Law upon graduation from Case Western Reserve University if they satisfy the requirements set out at the time of admission to the program.

### Pre-Professional Scholars Program in Medicine

Each year, 15 to 20 exceptionally well-qualified high school seniors who plan to pursue careers in medicine are offered places in the Pre-Professional Scholars Program in Medicine. Pre-Professional Scholars receive a conditional commitment of admission to the University Program of the Case Western Reserve University School of Medicine to be honored upon successful progress toward and completion of the bachelor’s degree. The Pre-Professional Scholars Program in Medicine requires eight years: four years of successful undergraduate study leading to the bachelor’s degree followed by four years in the University Program of the School of Medicine. Pre-Professional Scholars in Medicine who complete their undergraduate degree requirements in less than four years are required to pursue other experiences intended to enhance their professional and personal development during the period following the receipt of their bachelor’s degree and until study at the School of Medicine begins.

Pre-Professional Scholars in Medicine are free to choose from among all of the degree and major programs offered in the university, but must complete the courses in biochemistry, biology, chemistry, physics, math/statistics, and behavioral sciences listed in the Conditions of Admission letter they received when accepted to the program. They are also expected to continue to fulfill expectations for outstanding professional and personal development as outlined in the Condition of Admission letter. These expectations include, but are not limited to, maintaining academic integrity and adhering to the university’s standards of conduct (all academic integrity and judicial offenses will be reported to the School of Medicine), clinical shadowing, and involvement in undergraduate activities and community programs.

Pre-Professional Scholars in Medicine are not required to take the Medical College Admission Test (MCAT) for the program. However, if they do take the MCAT, they are expected to achieve a score that is above the 94th percentile on the MCAT. Program participants who have an interest in applying to any other medical schools, or who wish to be considered for a dean’s merit scholarship at the Case Western Reserve School of Medicine, should plan on taking this test.

Pre-Professional Scholars are expected to demonstrate successful academic progress by meeting the following level of performance: A CWRU cumulative GPA of 3.63 and a cumulative American Medical College Application Service (AMCAS) GPA and AMCAS Biology, Chemistry, Physics and MATH (BCPM) GPA of 3.63 at the time of application and maintained on final graduation transcripts.

Progress is reviewed with each student at regular intervals in the program. At the end of the third year, Pre-Professional Scholars in Medicine who have met the required levels of performance go through the normal admission procedures for the University Program of the School of Medicine, including submitting an application through the American Medical College Application Service (AMCAS) and
an interview. Participants who do not meet the required levels of performance may still be admitted into the University Program of the School of Medicine, but such admission will be subject to review and approval by the School of Medicine’s Admissions Committee.

Successful completion of the Pre-Professional Scholars Program in Medicine guarantees admission only to the University Program of the School of Medicine. Students seeking admission to the Cleveland Clinic Lerner College of Medicine of the Case Western Reserve University School of Medicine must complete a separate application and will be considered in competition with all applicants for that program.

Pre-Professional Scholars Program in Social Work

Each year, as many as ten high school seniors who plan to pursue careers in social work are offered places in the Pre-Professional Scholars Program in Social Work. The program gives a conditional commitment of admission to the Case Western Reserve University Jack, Joseph, and Morton Mandel School of Applied Social Sciences to be honored upon successful completion of the bachelor’s degree.

Admission to the master’s degree program in social work at MSASS is dependent upon the following requirements:

1. Graduation from the University with a cumulative grade point average of 3.000 in the junior and senior years.
2. Completion of a minimum of 24 credit-hours in the social and behavioral sciences.
3. Continued evidence of a combination of personal qualities which are considered essential for the professional practice of social work.

Pre-Professional Scholars in Social Work who wish to accelerate their program may apply for the senior year in professional studies privilege.

Application Procedures for Pre-Professional Scholars and Six-Year Dental Programs

Prospective students who wish to apply to any of the Pre-Professional Scholars Programs or to the Six-Year Dental Program should apply for admission through the Office of Undergraduate Admission of Case Western Reserve University. All forms are included within the application materials.

The application for admission, supporting test scores and high school transcript, must be submitted to the Office of Undergraduate Admission as early as possible, but no later than December 1.

Students who are admitted to the University and are also deemed eligible for consideration one of the Pre-Professional Scholars Programs or the Six-Year Dental Program will be notified by January 1 and will be invited for interviews at the appropriate professional schools. The basis for selection for these programs will be dedication to the pursuit of the particular profession, distinguished academic performance, a record of personal accomplishments that attests to a student’s maturity, leadership, and interpersonal skills, and an interview with an admissions officer from the appropriate professional school. Decisions on admission to the programs will be communicated on or about April 1.

Students who are not admitted to these special programs are encouraged to pursue their undergraduate studies and to apply in the normal course to the professional school of their choice, including the professional schools of Case Western Reserve University.

Undergraduate Experiential Learning

Experiential Learning

Case Western Reserve University offers undergraduates a variety of experiences inside and outside the classroom that are built on a process of guided inquiry, preparation, action and reflection. Many research, internship, and employment opportunities are aligned with academic programs. Linguistic and cultural immersion characterize the study abroad experience. Courses that incorporate community service or internships into the curriculum forge links between Case Western Reserve undergraduates and schools, neighborhoods, businesses, and governmental and health care institutions in Cleveland and elsewhere.

Course-Based Experiential Learning

In disciplines as diverse as psychology, journalism, engineering, Spanish, Russian, nursing, anthropology, history, and biology, Case Western Reserve students engage in experiential learning beyond the on-campus classrooms and laboratories. Experiences that form the basis for reflection and synthesis under the guidance of faculty include working with hospitalized children, designing engineering solutions for a problem presented by a municipality, interning at a local media outlet, tutoring in Cleveland’s Hispanic community, gaining experience in public health clinics, studying history with “the city as classroom,” or collecting aquatic specimens from the ponds at the university’s 389-acre farm.

International Experience

Case Western Reserve University encourages all students to study abroad. Students of all majors are able to study abroad without interfering with their graduation timeline. Many of the study abroad programs cost the same as studying in Cleveland, and financial aid can be used to supplement study abroad costs as needed. Students should visit www.case.edu/studyabroad or contact a study abroad advisor at studyabroad@case.edu to find a program that meets their needs.

Semester and Academic Year Programs

Case Western Reserve University partners with several overseas institutions in order to allow students to determine, in consultation with their academic advisor and study abroad advisor, study abroad programs that meet their academic and personal goals. Students can choose from a list of approved study abroad partners (http://www.case.edu/international/edabroad/thinkStudyAbroadLongTerm.html).

Undergraduate students who have completed at least 24 credit-hours of coursework at Case Western Reserve University, have declared a major, and are in good academic and disciplinary standing, with no pending judicial actions, and are otherwise eligible to register on campus at Case Western Reserve University for the proposed semester(s) (no financial holds, e.g.) are eligible to participate in programs of study or practical experience that immerse them in the culture and language of another country.

After matriculation at Case Western Reserve University, students are permitted to earn at other accredited colleges or universities or through an approved program of study abroad no more than 38 credit-hours toward the totals required for the degree, including courses taken through the cross-registration program, with no more than 15 credit-hours taken as part of domestic programs or as summer study in a student’s home country; any off-campus study credits beyond 15 may only be taken
through approved programs of study abroad. Any additional credit earned at other institutions after matriculation at Case Western Reserve beyond 15 domestically or as summer study in a student’s home country and beyond a total of 38 including study abroad will raise the total number of semester hours required for the degree by a corresponding number.

Case Western Reserve does not require students to complete any foreign language prerequisites before studying abroad, though students wishing to study in a country where the native language is not English are advised to develop their language skills to the extent possible. However, students studying for at least a semester in a single location where English is not an official language must take a course that advances their skills in a language of the host country during each semester of study abroad, provided such courses are available; this may be a course of language instruction or a course taught in a language of the host country. Students participating in study abroad experiences that are comparative in nature and visit several sites with the same semester are not required to include language study in their academic programs.

Students participating in semester or academic year study abroad pay tuition to Case Western Reserve University and maintain their student status during the period of study abroad. Case Western Reserve University will, in turn, pay the tuition costs for the student’s program, but the student will be responsible for all non-tuition costs associated with study abroad. Students eligible for financial aid continue their eligibility during study abroad.

CWRU in London at the Royal Academy of Dramatic Art

CWRU in London at the Royal Academy of Dramatic Art is organized by Case Western Reserve University to allow students to travel in a cohort to London to study theater and theater history. This theater/humanities program, offered in conjunction with the Royal Academy of Dramatic Art, allows students to sharpen their acting skills and gain a solid understanding of theatrical history while living and studying alongside some of the world’s best performing artists. Because students are formally enrolled in CWRU courses while participating in this program, their courses and grades appear on the CWRU transcript in the ordinary way rather than as transfer credit.

Short-Term Programs

Case Western Reserve University offers a robust portfolio of short-term study abroad options. These programs, which allow students to travel with a group of Case Western Reserve students, are often one to three weeks in duration and are offered over Spring Break, Winter Break, and Summer. Program offerings vary each year, but recent short-term study abroad locations included Botswana, China, Costa Rica, Cuba, Ecuador, France, Germany, Guatemala, Israel, the Netherlands, Poland, Spain, and the United Kingdom. All CWRU students in good standing are eligible to participate in short-term study abroad programs. For more information, contact the study abroad advisor in the Office of Educational Abroad, Tomlinson Hall 143.

Summer Programs

All Case Western Reserve undergraduates in good academic and judicial standing are permitted to study abroad during the summer. With approval, up to 15 credit-hours of summer coursework can be transferred to Case Western Reserve University. In the summer, study abroad students pay tuition and fees directly to the school/provider overseas. A wide variety of summer programs is available through the Office of Education Abroad, Tomlinson Hall 143.

Research Opportunities Abroad

Case Western Reserve University partners with EuroScholars to offer CWRU students semester-long research abroad opportunities. EuroScholars is a network of 11 internationally-recognized European research institutions. All are ranked in the top 2% of the 4,000 universities throughout Europe. Projects are available in arts and humanities, performing arts, biology, chemistry, engineering, mathematics, physics, astronomy, computer science, medicine, biomedical sciences, law, economics, management, politics and social studies. The CWRU study abroad advisors can help students apply to this elite program. Students can also identify independent research projects abroad.

Research Experience

Undergraduate Research

Case Western Reserve University is a research-intensive community with a historic tradition of involving undergraduates in research and creative endeavors. Regardless of a student's major or academic interests, there are numerous opportunities to engage in research either on campus with Case Western Reserve faculty or elsewhere during both the academic year and the summer. The SOURCE (http://www.case.edu/provost/source) (Support of Undergraduate Research and Creative Endeavors) Office provides assistance to students throughout the undergraduate educational experience, including:

- helping students identify research and creative project opportunities,
- providing funding for on-campus summer research,
- providing funding for travel for students presenting their work at regional and national conferences,
- providing educational research and informational seminars,
- sponsoring Intersections: SOURCE Symposium and Poster Session for students to present their work to our academic community, and
- sponsoring Discussions: The Undergraduate Research Journal of CWRU.

For more information, contact the SOURCE Director, Sheila Pedigo (sheila.pedigo@case.edu), Sears 451, 216.368.8508.

In many cases, students pursuing research under the guidance of a faculty member may earn degree credit by registering for “Undergraduate Research” or “Independent Study” in the appropriate department. These are advanced-level courses and require departmental approval. However, students may not earn both degree credit and pay for the same work. Students may discuss academic credit for research with their major advisor.

Work Experience

The Center for Civic Engagement and Learning

The Center for Civic Engagement and Learning (https://students.case.edu/civicengagement) connects students and the community through service. The center coordinates both curricular and co-curricular activities that promote learning through service to communities locally, nationally, and internationally. Service learning venues include academic course work, work-study positions, residence hall and Greek Life programs, and weekly service opportunities.
The Center for Civic Engagement also offers regular, weekly and bi-monthly opportunities for community service through the Case SERVES projects; assists faculty and students in designing and implementing community-based courses and SAGES capstone projects; coordinates on-going volunteer and work-study tutoring; and schedules Days of Service for one-time community service projects.

Cooperative Education

Cooperative Education (Co-op) (http://engineering.case.edu/coop) is an academic program that enables students to alternate classroom studies with career-based experiences in industry. It is a learning experience designed to integrate classroom theory with practical experience and professional development. Co-op is a paid full-time work experience designed to enhance the student’s education. Case Western Reserve co-op assignments are typically for two seven-month periods, each period consisting of a summer and a contiguous spring or fall semester. While participating in co-op, students maintain their full-time student status. This program is available to students pursuing degrees in engineering, biochemistry, biology, chemistry, engineering physics, geology, mathematics, physics, and statistics. For additional information, contact Ms. Mary Rose Tichar (mrt2@case.edu), 304B Nord Hall, 216.368.4447.

Professional Practicum

Practicum (http://students.case.edu/careers/students/jobs/practicums) is an experiential learning collaboration among a student, an employer, and a faculty member serving as the student’s practicum advisor that is coordinated by the Career Center’s Experiential Learning Specialist. The program is open to undergraduate students enrolled in the College of Arts and Sciences and/or the Weatherhead School of Management. The primary goal of a practicum is the intellectual, personal and professional growth of the student. In order to ensure that this goal is achieved, the collaborators establish learning objectives prior to the start of the practicum. These objectives are reviewed throughout the semester, and the student’s progress is evaluated at both the mid-point and end of the practicum.

While completing a practicum assignment, a student works full-time for a minimum of 14 weeks in a professional setting and does not take classes. The student will maintain full-time student status during the practicum period. Though credit is not awarded, students who successfully complete the practicum assignment will receive transcript notation. A student may participate in up to two practica, but it is recommended that at least one intervening semester be spent on campus. Students interested in participating in a practicum should contact the Career Center a semester prior to the intended practicum assignment.

Washington Study Program

The Washington Study Program (http://politicalscience.case.edu/undergraduate/washington-center-program) provides students with the opportunity to complete a full-time, research-intensive internship in Washington, D.C. By participating in a semester-length program during the fall or spring (WASH 2A (http://bulletin.case.edu/collegeofartsandsciences/washingtonstudyprogram) Washington Center Internship), students earn 9 credit-hours; for a summer internship (WASH 2D (http://bulletin.case.edu/collegeofartsandsciences/washingtonstudyprogram) Washington Center Summer Internship), they earn 3 credit-hours. In addition, students earn 3 credit-hours for participating in a seminar and attending a weekly lecture/discussion group (WASH 2B (http://bulletin.case.edu/collegeofartsandsciences/washingtonstudyprogram) Washington Center - Politics and Public Policy Course) and 3 credit-hours by developing a portfolio based on their internship experiences (WASH 2C (http://bulletin.case.edu/collegeofartsandsciences/washingtonstudyprogram) Washington Center - Portfolio). The credits earned can be counted as general electives or applied to a student’s major or minor, with the prior consent of the individual department(s).

To be eligible for the program, a student is expected to be a junior or senior and have at least a 3.00 GPA. The program director (Professor Justin Buchler Justin.buchler@case.edu), 111 Mather House, 216.368.2646, the student’s major advisor, and the appropriate dean must approve each application. Students must ensure that their participation will not prevent them from meeting on-campus residency or other university requirements.

Undergraduate Collaborative Programs

Collaborative Programs with Other Colleges

Cross Registration in Northeast Ohio

Full-time undergraduates in good academic standing may cross-register for one course per semester at no additional tuition cost beyond their Case Western Reserve University tuition at the Cleveland Institute of Art, Cleveland State University, Cuyahoga Community College, or John Carroll University. Cross-registration at other local colleges and universities while enrolled full-time at Case Western Reserve will be considered on a case-by-case basis. Approval to participate in cross-registration is handled by the Office of Undergraduate Studies, and is normally limited to courses that are not offered at Case Western Reserve.

To cross-register for studio courses at the Cleveland Institute of Art, a student must have permission from Case Western Reserve University's director of art studios, Mr. Timothy Shuckerow (timothy.shuckerow@case.edu), 2215 Adelbert Road, 216.368.2714.

Joint Program in Art Education

The joint program in art education of Case Western Reserve University and the Cleveland Institute of Art (CIA) enrolls students pursuing the BS in Art Education, combining studio art courses at the Cleveland Institute of Art with liberal arts and education courses at Case Western Reserve University. Admission to the program requires application to Case Western Reserve University and presentation of an art portfolio to the Cleveland Institute of Art; credentials must be acceptable to both institutions.

Joint Program in Music

All programs in music are conducted jointly by Case Western Reserve University and the Cleveland Institute of Music, and provide the intimacy and specialization of a professional conservatory, together with the resources of a comprehensive university.

Private music lessons can be arranged through the Department of Music in collaboration with the Cleveland Institute of Music. Students interested in pursuing this opportunity must obtain a permit at the Music Department in Haydn Hall to enroll for credit in Applied Music. Charges for private lessons will be covered by the full tuition rate for music and music education majors only. All other students will pay an additional fee.
Students pursuing a major in music or music education take music theory and lessons at the Cleveland Institute of Music, and take music history and other liberal arts and music education courses at Case Western Reserve University. Students pursuing the Bachelor or Arts degree with a major in music or the Bachelor of Science in Music Education degree apply to and enroll in Case Western Reserve University, while students seeking the Bachelor of Music degree apply to and enroll in the Cleveland Institute of Music.

Reserve Officer Training Corps (ROTC)

Reserve Officer Training Corps (ROTC) programs are available to Case Western Reserve University students through cooperative arrangements with Kent State University for Air Force ROTC and with John Carroll University for Army ROTC. Each of these universities offers military studies, leadership, and training courses. Participating students may seek transfer credit at Case Western Reserve for these courses, and may be exempted from the undergraduate physical education requirement. Students who are not recipients of ROTC scholarships may enroll in the first- and second-year ROTC courses without incurring any military obligation. University students enrolling in ROTC programs are eligible to compete for ROTC scholarships awarded by the Air Force or the Army.

Air Force ROTC

The Air Force Reserve Officer Training Corps (http://www.kent.edu/afrotc) (AFROTC) program provided by Kent State University prepares students for service as officers in the United States Air Force. Through courses in history, management, and leadership, and through practical training, students acquire leadership and management skills, and learn about Air Force career opportunities, the role of the military in American society, the history of air power, and national defense policy.

An agreement between Case Western Reserve University and Kent State University allows full-time Case Western Reserve students to complete aerospace studies courses. Students cross-register for these courses through Cleveland State University, but the courses are held at Kent State University, which is approximately 35 miles from Case Western Reserve. Classes are usually scheduled on one or two afternoons during the week. This arrangement allows Case Western Reserve students to participate in either the four- or two-year AFROTC program. Students who wish to enter the two-year program in the junior year must contact the professor of aerospace studies no later than February prior to the academic year of planned entry.

Air Force ROTC scholarships are available on a competitive basis. Information about courses, registration, and scholarships may be obtained from the Air Force ROTC DET 630, 125 Terrace Drive, Kent State University, Kent, Ohio 44242; telephone: 330-672-2182. Case Western Reserve students planning to register for AFROTC courses at Kent State University should consult with the Office of Undergraduate Studies for information regarding registration procedures.

Army ROTC

The Army ROTC (http://www.jcu.edu/rotc) program is designed to prepare students for service as a commissioned Army officer in either the active duty U.S. Army or the reserve components of the Army Reserve or National Guard. Classes and practical training focus on military skills, officer professionalism, leadership training, and the development of military-related officer and management techniques and procedures.

Army ROTC is offered as part of a collaboration with John Carroll University with some of the first- and second-year courses ROTC classes being offered on the Case Western Reserve University campus. For those courses offered at Case Western Reserve (MLSC 101, MLSC 102, MLSC 201, and MLSC 202), students register in the ordinary way. For other Army ROTC classes, students enroll through cross-registration in the Department of Military Science at John Carroll University, which is approximately five miles from Case Western Reserve.

Army ROTC scholarships are available on a competitive basis. Information about courses, registration, and scholarships may be obtained from the Department of Military Science (ARMY-ROTC), John Carroll University, University Heights, OH 44118-4581; telephone: 216.397.4421. Case Western Reserve students planning to register for Army ROTC courses at John Carroll University should consult with the Office of Undergraduate Studies for information regarding registration procedures.

Fisk University Exchange Program

An exchange program between Fisk University and Case Western Reserve University enables up to four Case Western Reserve students to spend a semester as visiting students at Fisk each year. Up to four Fisk students may spend a semester at Case Western Reserve each year. Fisk University was founded in 1866 as the first integrated, coeducational school in the United States. and, at its founding, focused on providing a quality liberal arts education to the children of former slaves. Fisk University has a distinguished history as a liberal arts institution. It was the first historically black college to have chapters of the Phi Beta Kappa and Mortar Board national honorary societies.

Case Western Reserve students who participate in the Case Western Reserve-Fisk Exchange pay tuition to Case Western Reserve University, pay the Fisk room and board fees, and maintain their student status during the period of the exchange. Information about the exchange program is available from the Fisk exchange advisor in the Office of Undergraduate Studies.

The Dual Degree (3-2) Program in Engineering

Students of superior scholarship who have attended one of a group of select liberal arts colleges with which Case Western Reserve University has a dual degree agreement are eligible to participate in the Dual Degree (3-2) (http://engineering.case.edu/delpp/dualdegree) program at Case Western Reserve University. This program allows outstanding students to begin their studies at a liberal arts college for three years and pursue an engineering degree at Case Western Reserve University for two years. Once requirements at both institutions are completed, students will receive a degree from the liberal arts college and a degree from Case Western Reserve University in a designated engineering discipline. For additional information, contact Debbie Fatica (dfk3@case.edu), 304 Nord Hall, 216.368.4449.

Undergraduate Academic Advising

Academic Advising

Academic advising is an important component of the educational program at Case Western Reserve University. Academic advisors assist students in the exploration of academic opportunities at the university and in the selection of courses. Advisors may refer students to other sources of information and assistance at Case Western Reserve.
Advising during the First Year

During a student’s first year at Case Western Reserve University, the faculty member instructing the student’s SAGES First Seminar serves as the student’s academic advisor. Students and their advisors are expected to explore the student’s academic interests and concerns, as well as educational and career goals, and to seek expert information and advice about academic policies and procedures and about specific academic programs from the General Bulletin, from newsletters and websites, from the academic representatives in the majors and minors designated as first year resources, and from other sources of advice and counseling on campus. Staff in the Office of Undergraduate Studies (http://case.edu/ugstudies) (including the coordinators of first-year residence education in the First-Year Residential Colleges), the University Career Center (http://studentaffairs.case.edu/careers), Educational Services for Students (http://studentaffairs.case.edu/education), the Office of Multicultural Affairs (http://studentaffairs.case.edu/multicultural), the University Counseling Service (http://studentaffairs.case.edu/counseling), and specialized programs such as Co-op (http://engineering.case.edu/coop) (co-operative education), SOURCE (http://www.cwru.edu/source) (research and creative projects), the Center for International Affairs (http://case.edu/international) (study abroad, international student services), and the Center for Civic Engagement and Learning (http://studentaffairs.case.edu/civicengagement) (community service) are available to support first year students and their advisors with publications, workshops, websites, experiential learning opportunities, and individual communications.

Advising in the Majors and Minors

Although some first year undergraduates enter with definite goals, they are not assigned to advisors in the majors until they have declared their major. Opportunities for exploration of majors and minors during the first and second semesters include a Choices Fair, departmental information sessions, and individual conversations with faculty and academic advisors. First year students who are ready to declare a major in their first year may do so beginning in November.

Students engaging in further exploration of majors are expected to declare a major no later than the end of the second year (See Declaring a Major in the section on Academic Policies and Procedures). When a student selects a specific major or minor, the academic representative assigns a faculty advisor. A choice or change of major or minor is not recorded for any student until the major or minor declaration form, bearing the signature of the student, the name of the advisor, and the signature of the academic representative of the major or minor, has been completed and submitted to the Office of Undergraduate Studies, 357 Sears Bldg.

After the first year, students who have not declared a major should consult their assigned advisor (noted in their online student information) or the academic representative of an academic department of interest for advice and schedule approval.

Advising in the Office of Undergraduate Studies

The deans and advisors in the Office of Undergraduate Studies, including the coordinators of first-year residence education in the First-Year Residential Colleges, are available to answer student and faculty questions about University rules, practices, programs, and resources and to meet with students who are interested in accelerated undergraduate to graduate and professional school programs, academic awards, and fellowship and scholarship opportunities. All students who have not declared a major should consult with their first year advisor or with one of the deans in the Office of Undergraduate Studies for advising and schedule approval. Students with interests in health professions and/or law school are encouraged to seek advice from the director of health career advising, Steven Scherger (http://www.cwru.edu/provost/ugstudies/prehlth.htm), and the pre-law advisor, Terri Mester (http://www.case.edu/provost/ugstudies/prelaw.htm), in the Office of Undergraduate Studies.

Undergraduate Grades

Grades

Grades at Case Western Reserve University are issued on the following scale, with good standing based on criteria presented in the section on Academic Standing Regulations and the requirement of a 2.000 average for graduation. Academic averages are computed by dividing the number of quality points earned by the number of hours completed, excluding
transfer credit, credit based on examinations (AP, IB, proficiency, etc.), and courses graded P/NP.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Meaning</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Fair</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>

This grade will be given for academic failure as well as failure to attend class without formally withdrawing.

Change the Incomplete Grade:
When the student has completed the required work, the instructor shall enter in the Student Information System a final evaluative grade to replace the Incomplete. When a student fails to submit the work required for removing the Incomplete by the date established, the instructor shall enter a final grade that assumes a failing performance for the missing work. In the absence of the assignment of a grade by the instructor, the Registrar will convert the I to F when the deadline for making upIncomplete grades from a previous semester has passed.

Audit
See section on Academic Policies and Procedures

Pass/No Pass
Undergraduate students (degree candidates and non-degree students enrolled at the undergraduate level), other than students participating in the Pre-College Scholars program, may elect to take one course each fall and spring semester on a Pass/No Pass grading basis, provided they remain enrolled in at least 3 semester hours of courses for regular evaluative grades. Enrollment in courses that are graded on a Pass/No Pass basis (e.g., PHED 55A Cardio-Fitness (First Half)) does not preclude a student’s use of the Pass/No Pass option in another courses taken that same term. The Pass/No Pass option is not available during the summer session or to undergraduate degree candidates enrolled at the graduate or professional levels through the IGS program or Senior Year in Professional Studies.

Instructors are not notified of a student’s use of this option. They submit evaluative grades for all students, and these are converted to Pass/No Pass in the Registrar’s Office. Courses elected on a Pass/No Pass basis and completed with a grade of D or higher will be entered with the grade P on the student’s transcript. Students who earn a P grade will earn credit for the course, while those who earn NP will not. Grades of P and NP are not included in computing the grade point average.

Students may submit an on-line Pass/No Pass Option form at any time in the fall or spring semester after the end of the drop/add period and before 5:00 p.m. on the day of the course withdrawal deadline for that semester (currently the 11th Friday of the semester for upperclass students, including new transfer students; and the last day of classes for first year students).

Use of the Pass/No Pass option is subject to the following restrictions:

1. All courses to be counted toward major, minor, or SAGES/general education/core requirements must be taken for regular evaluative grades. If a student opts for the Pass/No Pass option in a course, that course will not be counted toward any of these requirements.

2. Students majoring in any Weatherhead School of Management degree program (accounting or management) may not use the Pass/No Pass option for any Weatherhead School of Management courses (ACCT, BAFI, BLAW, ENTP, LHRP, MGMT, MIDS, MKMR, OPMT, ORBH, OPRE, PLCY), either required or elective.

3. A decision to use the Pass/No Pass option is irrevocable unless the student needs that course to complete requirements for a major or minor.
declared in a subsequent semester. In that event, the student may request that the Office of Undergraduate Studies reveal the grade on the transcript at the start of the student’s final term at Case Western Reserve University.

**Course Repetition**

See section on Academic Policies and Procedures.

**Grade Reports and Transcripts**

Students may view their grades on the Student Information System (https://sis.case.edu/psp/saprd/EMPLOYEE/PSFT_HR/c/CW_SR_MENU.CW_CONFID_AGREEMNT.GBL?&). Students can request official copies of their transcripts (http://www.case.edu/registrar/transcripts.html) from the Registrar’s Office. The University considers the grades earned by a student and other information about the student’s performance at the University confidential and will release such information only upon written request by the student. Transcripts will not be issued to or on behalf of students who have not discharged all obligations to the University.

**Mid-Semester Grades**

Mid-semesters are assigned in undergraduate courses at the end of the eighth week of each semester. Mid-semester grades are advisory; the grades are not part of a student’s official academic record or transcript. At mid-semester, an instructor may assign to undergraduates evaluative letter grades (A, B, C, D, or F) or grades of satisfactory (S) and unsatisfactory (U), with S corresponding to performance in the range of A through C and U corresponding to performance in the D or F range. (S and U may not be assigned as final course grades in undergraduate courses.) Students may view their mid-semester grades on the Student Information System (https://sis.case.edu/psp/saprd/EMPLOYEE/PSFT_HR/c/CW_SR_MENU.CW_CONFID_AGREEMNT.GBL?&). Students who have any low or unreported mid-semester grades should discuss their progress with their instructors and with their advisors.

**Undergraduate Academic Policies and Procedures**

**Academic Policies and Procedures**

All academic regulations governing undergraduates are administered by the Office of Undergraduate Studies. Academic regulations are subject to change by action of the Faculty Senate, its Committee on Undergraduate Education, and the various committees responsible for the oversight of curriculum and academic standing.

When circumstances so warrant, a student may submit to the Office of Undergraduate Studies a petition requesting an exception to a specific regulation. Petition forms are available in the Office of Undergraduate Studies, 357 Sears Bldg.

**Academic Grievance Policy**

A student who wants to register a complaint about course instruction or evaluation should first bring the matter to the direct attention of the professor or instructor involved. If the matter is not satisfactorily resolved, the student should go to the chair of the academic department in question and seek departmental review. If neither step resolves the complaint, the student may take the matter to the faculty member’s college or school dean for final review and decision.

**Academic Integrity Policy**

See the Case Student Handbook for more information about the academic integrity policy.

**Academic Standing**

See section on Academic Standing Regulations (p. 33).

**Attendance**

Students are expected to attend classes regularly. Each instructor is free to determine the extent to which absences affect the final grades of students but should make the policy regarding attendance known at the start of the course. Instructors should report excessive absences to the Office of Undergraduate Studies. Instructors who judge a student’s absences from class to be excessive may drop the student from the course with a grade of F. Instructors taking such action must notify the student’s dean in writing.

Students unable to attend classes because of illness should notify their instructors and make the appropriate arrangements directly with the instructor. The University Health Service and the Office of Undergraduate Studies do not provide medical excuses for class absence. Information concerning the policy of the Health Service and the Office of Undergraduate Studies is available in those offices.

Any student who is unable to attend classes or participate in any examination, study, or work requirement on a particular day because of his or her religious beliefs is excused from any such activity. The student will be given the opportunity to make up the examination or work that is missed, provided the make-up work does not create an unreasonable burden upon the university. When possible, students should give notice to instructors early in the semester about missing classes because of religious observance.

**Audit**

A student may audit a course with the dean’s or advisor’s approval and the consent of the instructor of the course. An auditor receives no credit for the course. Registration in a course cannot be changed from audit to credit or the reverse after the end of the drop/add period. However, a student may take for credit a course he or she audited in an earlier semester. At the beginning of the course, the student and instructor should reach agreement regarding the requirements to be met for a grade of AD. The grade of AD is entered on the student’s transcript if approved by the instructor of the course. If the instructor does not approve the grade AD, the enrollment is not posted on the transcript.

**Course Loads and Overloads**

In order to be classified as a full-time student, a student must enroll for a minimum of 12 credit-hours by the end of the drop/add period. Eligibility for many forms of financial aid and for participation on intercollegiate varsity sports teams requires full-time status. Students registering for fewer than 12 semester hours are classified as part-time and charged tuition on the basis of the number of semester hours being taken.

The normal full-time load is 14-17 credit-hours. Students ordinarily may not enroll in more than 19 credit-hours in a semester. Any schedule of more than 19 credit-hours requires a dean’s approval. Continuing students may enroll for 20-21 hours in a semester if they have a
cumulative grade point average of 3.200 or better. To register for 22 or 23 hours, a minimum grade point average of 3.500 is required. Graduating seniors may be approved for overloads if they need such a schedule in order to graduate at the end of the semester in question.

Course Placement

No credit will be allowed to count towards degree requirements for foreign language or mathematics courses which duplicate work taken earlier in high school or in another institution. First-year undergraduates who have questions regarding their eligibility to receive credit for foreign language or mathematics courses should see the associate dean for first year students in the Office of Undergraduate Studies.

Course Repetition

Students have the opportunity to repeat a course in order to improve their mastery of the course material. When a course is repeated, the student will earn credit for the course only once, but both the original grade and the grade for the repeated course will be included in the semester and cumulative grade point averages, each weighted by the credit-hours for the course. The student’s transcript will show the comment “REPEATED: NO CREDIT AWARDED” directly below the original grade. Similarly, if a student repeats a course for which he or she has already received either test (AP, IB, etc.) or transfer credit, the original credit will be removed and the transcript will show the comment “REPEATED: NO CREDIT AWARDED;” credit will instead be awarded for the course taken at Case Western Reserve University. However, if the first attempt of the course resulted in a passing grade but the second attempt results in a failing grade, the student will continue to earn credit for the first attempt; both grades will be included in the semester and cumulative grade point averages.

The course repeat option may not be exercised after a degree has been awarded.

CAUTION: Students who are the recipients of any form of federal financial aid (grants, loans, work study, etc.) and repeat a course that previously earned a passing grade must enroll for a minimum of 12 credit-hours for which credit had not been earned previously.

Credit by Examination

Advanced Placement/International Baccalaureate/French Baccalaureate/A-Level Examinations

Students may earn degree credit on the basis of advanced examinations taken while in secondary school. Examinations eligible for credit and/or advanced placement include, but are not limited to, College Board Advanced Placement Examinations, International Baccalaureate Higher Level Examinations, French Baccalaureate, and A-Levels. Determination of the criteria for granting credit and/or placement is made by the appropriate department.

Proficiency Examinations

Departments within each academic unit offering undergraduate programs may choose to offer students the opportunity to earn course credit in specific courses by proficiency examination. To qualify for proficiency examination credit for a course, the student’s examination performance must demonstrate knowledge and skills at a level no lower than that of an average student who successfully completes the course. Upon notification from the academic department, the Office of Undergraduate Studies will post credit for the course on the transcript. The grade will be recorded as PR, and will not be included in a student’s grade point average.

Declaring a Major or Minor

Students matriculating at Case Western Reserve University as first-year students may begin declaring their majors, though are not required to do so, on November 1 of the fall semester. Transfer students may begin declaring their majors at the start of their first semester at Case Western Reserve. A choice or change of major or minor is not recorded for any student until the major or minor declaration form, bearing the signature of the student, the name of the advisor, and the signature of the academic representative for the major or minor, has been completed and submitted to the Office of Undergraduate Studies, 357 Sears Bldg.

Students who enroll at Case Western Reserve University as first-year students are expected to declare a major before registering for classes for their fifth semester of enrollment. Transfer students are expected to declare a major before registering for their third semester at Case Western Reserve. Beyond that point, students who have not declared a major will have a registration hold placed on their accounts until they have done so. Those who will have earned fewer than 60 credit-hours (including transfer, AP, IB, and proficiency credit) by the end of the fourth semester for students who started as first year students, or by the end of their second semester for transfer students, may request that their dean in Undergraduate Studies allow them to register for the next semester by lifting the registration hold. Students may later change their majors should their academic interests change.

Enrollment Changes

Drop/Add

Changes in course schedules must be submitted to the Registrar’s Office using the Student Information System or a drop/add form before the end of the second week of classes during the fall and spring semesters. However, for courses that run for half of the semester, students are allowed only a one-week drop/add period at the start of those courses. Deadlines for dynamically-dated courses (i.e. those that meet on some alternative schedule) are set in a proportional manner. Similarly, the drop/add deadline for summer courses are set in a proportional manner, with the deadline ordinarily being the second day of classes.

Students who add a course after the start of the semester are responsible for any work missed and are expected to speak with the instructor to learn the consequences of any work missed and whether there are opportunities for making up missed work. In some cases, the instructor of a course may require his or her consent before a student may add a course during the second week of the drop/add period.

Withdrawal from a Course

The First Undergraduate Year:

For the first two semesters of enrollment, matriculated students who are beginning their college studies may withdraw from a course at any time during the semester, but no later than the last day of classes. Any course for which a grade of W is assigned will be deleted from the transcript at the end of the semester. This policy is not available for transfer students and does not apply to the summer session.
After the First Undergraduate Year:
A student may withdraw from a course no later than the end of the 11th week of the semester and receive a grade of W. In extenuating circumstances, a student may petition for permission to withdraw from a course after the final date and receive a W. The grade of W will be posted on the student’s transcript.

For all course withdrawals:
Students in good academic standing (i.e., not on probation, probation incomplete, or continued on probation) may withdraw from courses through the Student Information System, provided that they remain actively enrolled in at least 12 credit-hours. All other course withdrawals (those by students who are not in good standing and those that take a student below 12 credit-hours of active enrollments) must be transmitted by the student to the Registrar’s Office on the appropriate form, signed by a dean in the Office of Undergraduate Studies. Failure to attend class or providing notice only to the instructor does not constitute an official withdrawal from a course. Such an unofficial withdrawal normally will result in the student’s being assigned the grade of F.

Students are ordinarily not permitted to withdraw from a course after a grade has been posted.

Withdrawal from the University
To withdraw from the university during a semester or session, a student must complete an official withdrawal form in the Office of Undergraduate Studies. If unable to complete the withdrawal in person, the student must send written notification to the Office of Undergraduate Studies. If the withdrawal is necessary for reasons of health, a statement from the student’s physician to the University Health Service may be required as a condition of readmission. Grades of WD will be assigned in all courses in which a student is registered at the time of withdrawal, provided that a student follows the procedures stated above. Failure to attend classes or notification of instructors only does not constitute withdrawal from the university. A student who ceases to attend or otherwise participate in courses without officially withdrawing will be assigned the grade F for each course in which he or she is enrolled.

Students who do not plan to return for the following semester must notify the Office of Undergraduate Studies (ugstudies@case.edu), 357 Sears Bldg., 216.368.2928, in person or in writing.

Final Examinations
Final examinations normally are required in all courses and must be given during the final examination period at the time assigned by the Registrar; they may not be given during the final week of classes or on Reading Days. Any exception must be approved by the dean of undergraduate studies.

No student will be required to take more than two final examinations on a single day. A student who has three final examinations scheduled for a single day should go to the Office of Undergraduate Studies and obtain the assistance of the dean in arranging to take one of those examinations on an alternative day during the final examination period. Similarly, a student with conflicting examinations should seek the assistance of the dean of undergraduate studies in arranging to have the time of one examination changed.

A student must explain immediately and in writing to the dean of undergraduate studies an absence from a final examination. If the explanation is acceptable, the dean will authorize the assignment of the grade Incomplete and the administration of a make-up examination by the instructor. In the event of an unexcused absence from a final examination, the instructor should assign the student a final grade that assumes a grade of zero on the final examination and is consistent with the grading policy established for the course.

Graduation and Commencement
Application for Graduation
A student who has completed all graduation requirements in fewer than four years has the choice of graduating early or deferring graduation in order to graduate with his or her class. A student who completes all graduation requirements in four years or more must graduate at that time. The student must file an on-line application for the degree through the Student Information System by October 1 for January graduation, by February 1 for May graduation, and by June 1 for August graduation.

A student must discharge all financial obligations to Case Western Reserve University to receive a diploma and for the Registrar’s Office to release final transcripts.

Graduation Check
Students must ensure that their Academic Requirement reports reflect accurately their progress toward their degrees. All requested corrections and exceptions must be submitted to the Office of Undergraduate Studies at least one semester prior to graduation. Academic Requirement reports are available on-line through the Student Information System.

Participation in Commencement
Students are eligible to participate in May commencement activities provided that they have completed all degree requirements during that spring semester or the immediately preceding fall semester or summer session, or have an appropriate plan to complete their degree requirements in the upcoming summer session or fall semester. A student may participate in Commencement only once as a bachelor’s degree candidate, though exceptions are sometimes made for students receiving a second bachelor’s degree at least one year after the first.

Incompletes
See section on Grades.

Pass/No Pass
See section on Grades.

Promotion
The standards for promotion are:
• To the sophomore class, 27 credit-hours completed
• To the junior class, 60 credit-hours completed
• To the senior class, 90 credit-hours completed

Reading Days
Prior to and/or during the final examination period two weekdays are set aside as Reading Days to be used by students for completing assignments and preparing for final examinations. In the fall semester there will be one reading day on Monday of the first exam week and one reading day on Friday of the first exam week. In the spring semester, the two days prior to the beginning of the final exam period are set aside as reading days. These days are not to be used by faculty for scheduling
examinations or other course activities that require the attendance of students. They may be used by faculty to schedule review sessions for which attendance is optional.

**Readmission After Separation**

See section on Academic Standing (p. 33).

**Re-Enrollment After Voluntary Withdrawal**

Students who have voluntarily withdrawn from the university and have not taken courses elsewhere following their withdrawal may petition to re-enroll in any semester. Students who have taken courses elsewhere following withdrawal must provide official transcripts of their work with their request for re-enrollment. Upon re-enrollment following a voluntary withdrawal, students retain the credit-hours earned and quality points for courses completed prior to withdrawal. In the first semester of re-enrollment, their academic status is the status in effect at the time of withdrawal, unless that status is changed by action of the Academic Standing Board.

**Registration**

For continuing students, registration for the fall semester begins in April, and registration for the spring semester begins in November. Complete registration instructions and regulations appear on-line on the web site of the University Registrar (http://www.case.edu/registrar).

**Scholarship Retention**

See section on Criteria for Scholarship Retention (p. 34).

**Student Access to Records**

The academic records of all students are in the Office of Undergraduate Studies, 357 Sears Building. Students may review their files in that office by appointment. A student must sign a request and present his/her ID card at the time of the appointment.

**Study at Other Colleges and Transfer Credit**

Students may receive transfer credit for work completed at another accredited college, university, or technological institute in the United States or from institutions of higher education outside the United States. At the time of admission to Case Western Reserve University and upon presentation of an official transcript from each institution previously attended, credit will be awarded for courses equivalent or comparable to those offered by the University and completed with a grade of C or better. Any such courses taken prior to the student’s graduation from high school must be listed in the college’s catalog among courses offered for degree credit to the college’s undergraduates, taken in the company of matriculated college students, and organized and taught by college faculty. In addition, to be considered for transfer credit, such courses must not have been used to fulfill high school graduation requirements. The awarding of transfer credit is determined by the Office of Undergraduate Studies in consultation with the appropriate department.

After matriculation at Case Western Reserve University, students are permitted to earn at other accredited colleges or universities or through an approved program of study abroad no more than 38 credit-hours toward the totals required for the degree, including courses taken through the cross-registration program, with no more than 15 credit-hours taken as part of domestic programs or as summer study in a student’s home country; any off-campus study credits beyond 15 may only be taken through approved programs of study abroad. Any additional credit earned at other institutions after matriculation at Case Western Reserve beyond 15 domestically or as summer study in a student’s home country and beyond a total of 38 including study abroad will raise the total number of credit-hours required for the degree by a corresponding number.

Permission of a dean in the Office of Undergraduate Studies must be obtained in advance if the student wishes to enroll elsewhere. Further, if a student wishes to take elsewhere a course to satisfy a major or minor requirement, it must also be approved by the department chair or academic representative. Upon presentation of an official transcript from each institution previously attended, credit will be awarded for courses equivalent or comparable to those offered by the University and completed with a grade of C or better. Credit earned elsewhere after matriculation at Case Western Reserve University is not applied toward the residence requirement of a minimum of 60 credit-hours, including at least 15 after a student has earned a total of 105 credit-hours, earned at Case Western Reserve. The Off-Campus Study Request Form is available in the Office of Undergraduate Studies, 357 Sears Bldg.

Credit is not awarded for work done at an unaccredited institution in the United States except by proficiency examination in those departments of Case Western Reserve University offering that opportunity. The awarding of transfer credit for work done at institutions outside the United States is subject to departmental evaluation.

A student separated for poor scholarship may not earn transfer credit for courses taken in the first two sessions after that dismissal.

Grades for courses taken at other institutions will not be entered on the student’s record nor will they be computed in the student’s grade point average.

In addition to the regulations concerning transfer credit outlined above, the following special restrictions apply to credit for summer courses taken at other colleges, universities, or technical institutes:

1. Students ordinarily will not be permitted to take elsewhere in Cuyahoga County courses offered at Case Western Reserve University. Exceptions to this policy will be permitted only in the event of significant extenuating circumstances. Students who desire the opportunity to take elsewhere in Cuyahoga County a course being offered at Case Western Reserve must petition the Office of Undergraduate Studies in advance for permission to do so.

2. Students must be in good standing. If a student is placed on probation between receiving permission and the start of off-campus enrollment, the student is no longer eligible to enroll for and receive transfer credit for this work. Students on probation require special approval and should contact a dean in the Office of Undergraduate Studies.

3. Students may register for no more than 12 credit-hours. One quarter-hour equals two-thirds of one credit-hour at CWRU.

4. Students may transfer credit only for courses in which a semester’s work is completed in a minimum of three weeks.
Academic Standing Regulations

Academic Standing Regulations

The Academic Standing Board monitors the progress of all undergraduate degree candidates at the end of each fall and spring semester to ensure that they are making appropriate progress toward earning their degrees in terms of the grades and number of credit-hours earned each semester; see below for information about the summer session. All degree candidates begin their academic careers in good standing. Those who fail to meet the requirements to continue in good standing, as defined below, are automatically placed on academic probation for the following semester in order to signal the need to improve their academic performance. Those who fail to meet a minimum set of academic standards defined below or who do not return to good standing after a semester of academic probation are ordinarily separated from the university for a period of two academic sessions, including the summer session.

Good Academic Standing

Full-time First-Year and Transfer Students in the First Semester

In order to maintain good academic standing at the end of the first semester at Case Western Reserve University, a full-time (i.e., enrolled in at least 12 credit-hours at the end of the drop/add period) first-year student or new transfer student must:

1. earn a semester grade point average of 2.000 or higher AND
2. earn a minimum of 9 credit-hours in that semester.

Full-time Students After the First Semester

Following the first semester of the first year, full-time students (i.e., those enrolled in at least 12 credit-hours at the end of the drop/add period) will be in good standing provided they:

1. earn a semester grade point average of 2.000 or higher AND
2. earn a minimum of 12 credit-hours in that semester.

Part-time Students

Part-time students (i.e., those enrolled in fewer than 12 credit-hours at the end of the drop/add period) will be in good standing if they earn a semester grade point average of 2.000 or higher.

NOTE: Any student with incomplete grades at the end of a semester may be placed on "probation (incomplete)" or made "ineligible to register," as described below.

Academic Probation

Students who, at the end of any semester, fail to maintain the standard of performance required for good standing as specified above will be automatically placed on probation. Students placed on probation are ineligible to represent the university in intercollegiate activities and may not hold an elective or appointed office or chair a committee in any campus organization. In addition, they may not earn degree credit for work completed at another college or university during the period of probation without special permission.

When placed on academic probation students will be expected to perform at a level that will return them to good standing at the end of the next semester. If they fail to return to good standing at the end of the following semester, they will be considered for separation from the university for at least two academic sessions, including the summer session.

A full-time student placed on probation who subsequently enrolls as a part-time student will not be reviewed for further academic action until he or she has completed sufficient semesters to total at least 12 credit-hours. At that time, the student will be reviewed on the basis of a composite of those semesters.

Similarly, a student who goes on probation as a part-time student will not be reviewed for further academic action until he or she has completed sufficient semesters to total at least the number of credit-hours attempted in the semester for which the student was placed on probation. At that time, the student will be reviewed on the basis of a composite of those semesters and will be expected to have earned at least the number of credit-hours attempted in the semester for which he or she was placed on probation.

Probation (Incomplete):

A student's status will be Probation (Incomplete) if he or she has Incomplete grades which would result in the student's being placed on academic probation if those Incomplete grades were converted to F's. Once the Incompletes are converted to grades, the student shall be restored to good standing or placed on academic probation as determined by the semester grade point average and the number of credit-hours earned.

Separation

Students on academic probation who fail to return to good standing at the end of the following semester will be considered for separation from the university for at least two academic sessions, including the summer session.

Also, full-time students at the end of their first semester at Case Western Reserve University will be considered for separation without a semester of probation if they:

1. earn a semester grade point average less than 1.000 AND
2. earn fewer than 9 credit-hours in that semester.

After the first semester, full-time students will be considered for separation without a semester of probation if they:

1. earn a semester grade point average less than 1.000 OR
2. earn fewer than 9 credit-hours in that semester.

Part-time students are not eligible for separation without already being on probation, but will be considered for separation if they fail to return to good standing after a period of probation.

Separation because of academic performance is not an automatic process. Students being considered for separation will be asked to prepare a statement explaining the difficulties that interfered with their ability to earn a satisfactory record. If a student thinks he or she should not be separated, the statement should include an explanation of why the Academic Standing Board should have confidence in the student's ability to return to good standing at the end of the next semester and should outline the plan the student has established for ensuring academic success. The Academic Standing Board will decide to separate the student or to place or continue the student on academic probation based on a review of the student's statement and the academic record.
Students separated for reasons of academic performance may not earn transfer credit for work completed elsewhere.

Readmission from Separation

Students who have been separated because of poor academic performance may petition for readmission after two academic sessions, including the summer session, have elapsed. Students readmitted after being separated for reasons of academic performance will retain all credits and quality points earned before separation, and the cumulative grade point average will be continued, including all grades earned before and after separation.

Permanent Separation

A second academic separation following review by the Academic Standing Board will ordinarily be permanent.

Ineligible to Register

Students will be declared “ineligible to register” when they have incomplete grades which would result in the student's being considered for separation if those incomplete grades were converted to F’s. Such students will be required to finish the incomplete courses with grades that justify their retention before they will be allowed to continue for the next academic session, unless they successfully petition the Academic Standing Board for permission to enroll.

Summer Enrollment at Case Western Reserve University

Students will not be reviewed for academic action at the end of the summer session except in the following two situations:

1. A student on academic probation as of the end of the spring semester will be returned to good standing at the end of the summer session if he or she has completed at least 6 credit-hours at Case Western Reserve University with a summer grade point average of at least 2.000.

2. Nursing students who enroll during the summer session for a full course load (at least 12 credit-hours) that includes the capstone course will be reviewed according to the standards of a regular fall or spring semester.

Undergraduate Criteria for Scholarship Retention

Undergraduate Criteria for Scholarship Retention

Students who are awarded scholarships based on academic achievement or potential by Case Western Reserve University are expected to perform at an appropriate academic level and maintain good conduct in the community. These scholarships will be automatically renewed each semester, provided that the student meets the retention criteria established for his or her scholarship at the time of initial award.

The retention criteria for students who matriculated at Case Western Reserve University in August 2011 or later are outlined below, along with information about the duration of these scholarships and the appeal process for students who fail to meet the established retention criteria.

Scholarship recipients who matriculated prior to August 2011 should consult the 2013-2014 General Bulletin.

Full-Tuition (Andrew Squire, Albert W. Smith, Adelbert Alumni, Alexander Treuhaft, and Warren E. Rupp), University, Michelson-Morley STEM, and Bolton Scholarships

The academic records of scholarship recipients are ordinarily reviewed at the end of each semester. To have a scholarship renewed for the following semester, the student must be in good academic and disciplinary standing.

In exceptional cases, Academic Standing Board will continue a scholarship for a student whose achievement or whose attendance does not meet the standards outlined above. It is the student's responsibility to write to the Academic Standing Board, c/o the Office of Undergraduate Studies, within 7 business days of the end of the exam period each semester to request special consideration for continuation of a scholarship. This appeal should inform the committee of any special circumstances which may have affected performance and/or attendance during the preceding academic semester, provide any relevant documentation, and describe a plan for how academic performance will be improved in the future.

Students who lose their scholarships because of unsatisfactory academic or disciplinary standing will have their scholarships automatically reinstated at the start of the next semester if they return to good standing. These students lose a semester of scholarship eligibility for each semester that they fail to achieve good standing; that is, students will not receive these scholarships while on probation or during their first semester back from an academic separation, and the maximum number of semesters for which they can receive their scholarships will be reduced. However, students placed on probation at the end of the spring semester who return to good standing based on summer coursework at Case Western Reserve University (see Academic Standing Regulations in the section of Academic Policies and Procedures) will continue their scholarships for the fall semester without interruption or loss of a semester of eligibility.

Other Scholarships Awarded by Case Western Reserve University

Recipients of scholarships other than those listed above should refer to their scholarship award letter for specific scholarship retention criteria.

Duration

A student who meets the standards for scholarship retention may receive scholarship assistance for no more than eight semesters of full-time undergraduate study (less any semesters lost due to falling out of good academic or disciplinary standing, as described above). The scholarship is awarded for full-time enrollment in regular (fall and spring) semesters.

A scholarship recipient who does a complete withdrawal during a semester will have used up a semester of scholarship eligibility, but will be eligible to receive the scholarship again when he or she next enrolls, provided that his or her leave of absence does not last more than one semester (as described below). If a scholarship recipient completes a bachelor’s degree in fewer than eight semesters of full-time study at Case Western Reserve University, the scholarship will be terminated upon completion of the degree.
In the eighth semester (or in the final semester for a student completing the bachelor’s degree in fewer than eight semesters), a recipient may request permission for part-time enrollment with pro-rated scholarship support if completion of the degree does not require full-time enrollment in that final semester.

Semesters spent participating in the Cooperative Education Program or on a leave of absence are not counted against a student's eight full-time semesters of scholarship eligibility.

**Leave of Absence Policy**

A scholarship recipient may take a one-semester leave of absence during the student's undergraduate career and put his/her scholarship "on hold" for reactivation upon the student’s return to Case Western Reserve University. Requests for a one-semester leave of absence must be submitted in advance to the Office of Undergraduate Studies. Requests for leaves of absence longer than one semester must be submitted to the Academic Standing Board and will be reviewed on an individual basis.

A scholarship is automatically terminated upon a student’s transfer to another institution or upon permanent separation from the University.

**Undergraduate Honors and Awards**

**Dean's Honors Lists**

The Dean's Honors Lists consist of the names of those undergraduate students who have distinguished themselves by achieving during the previous semester the grade point averages required with a minimum of 12 credit-hours earned and who have no Fs or NPs, during the same period. Students with a grade point average of 3.750 or higher will be placed on the Dean's High Honors List. Students with a grade point average of at least 3.500 but less than 3.750 will be placed on the Dean's Honors List. Students whose records include Incompletes become eligible for the Dean's Honors Lists once all Incompletes have been converted to final grades. Having earned a place on the Dean's Honors List or Dean's High Honors List is noted on the transcript.

**Commencement Honors**

Commencement Honors are awarded to the top 35 per cent of the graduating class.

- Top 10 per cent: summa cum laude
- Next 10 per cent: magna cum laude
- Next 15 per cent: cum laude

The specific GPA cutoffs are determined each year after the awarding of August degrees on the basis of the GPAs of students who graduated over the past five years. These cutoffs are then applied to degrees awarded in the following January, May, and August.

To be eligible for commencement honors, candidates must have:

1. Earned a minimum of 54 credit-hours for evaluative grades (A, B, C, D) in residence at the University.
2. Attained the required percentile ranking on the basis of all work for which grades are averaged at the University, including any grades earned before an academic separation.

**Honors in the Major**

Some majors offer outstanding students the opportunity to complete an honors program. Students who participate in an honors program in the major and satisfy the requirements for such a distinction, as specified by the major, may qualify to receive the degree “with honors in the major.” The academic representative for the major can provide information regarding requirements for graduation with honors in the major.

**Phi Beta Kappa**

Phi Beta Kappa, a national honor society, recognizes outstanding scholarship in the arts and sciences. The Alpha Chapter of Ohio, established in Western Reserve College in 1847, was one of the first ten established nationally. Students may qualify for election to membership in the second semester of the senior year. A few outstanding students may be elected to membership as juniors.

**Tau Beta Pi**

Tau Beta Pi is a national honor society that recognizes full-time engineering students for outstanding scholarship, leadership, and service.

**Mortar Board**

Mortar Board is a national honor society that recognizes full-time senior students for outstanding scholarship, leadership, and service.

**Fellowships and Scholarships**

Outstanding students may obtain information about national competitive scholarships (Goldwater, Truman, Rhodes, etc.) in the Office of Undergraduate Studies, 357 Sears Building.

**Departmental and Collegiate Awards**

At academic awards assemblies at the end of each spring semester, the University presents awards recognizing the outstanding achievement of individual students. The departmental awards are based on achievement in specific academic disciplines. Some of the departmental and collegiate awards are based on a combination of leadership, scholarship, and service. The collegiate awards for students with the best academic records take into account credit load and grades; students who opt for the Pass/No Pass grading option in a course will not be eligible for best academic record awards unless the original grades submitted by the instructor to the Registrar's Office would qualify them.

**Accountancy**

- The Apple Growth Partners Scholarship Award to a junior, senior, or Master of Accountancy accounting major with a grade point average of 3.250 or higher and who has displayed high ethics and strong professionalism and leadership
- The Beta Alpha Psi Award for excellence in accounting
- The Beta Alpha Psi Scholars Recognition Award for outstanding scholarship among members of the Pi Chapter
- The Andrew D. Braden Award for Excellence in Auditing and Financial Reporting Studies to a student whose achievement as an undergraduate in auditing and financial reporting subjects is recognized as demonstrating attributes consistent with professionalism and leadership
- The Cashy Family Scholarship Award
- The Cohen & Co./Beta Alpha Psi Leadership Award
- The Dean's Achievement Award in Accounting
• The Dean's Award in Accounting
• The Dean's Award in Accounting/The Deloitte Award to an outstanding junior majoring in Accounting
• The Dean's Award in Accounting/The Meaden and Moore Award
• The Dean's Award in Accounting/The Plante Moran Award
• The Department of Accountancy Academic Achievement Award
• The Thomas Dickerson Award for Excellence in Professional Accountancy Studies to a student whose high academic achievement and leadership in the integrated studies program in accountancy is recognized as exemplary
• The Accounting Achievement Award/Ernst and Young Award
• The Louis E. Levy Scholars in Accountancy
• The Ohio Society of Certified Public Accountants Cleveland Endowment Scholarship
• Saltz, Shamis & Goldfarb/SS&G Scholarship Award
• The Dean's Award in Accounting/Skoda, Minotti & Company Award for an outstanding underclassman
• The Wallach-Lee Families Scholarship Award

Anthropology
• The Callender Memorial Award for outstanding achievement in anthropology
• The James Dysart Magee Award for the senior year to an outstanding student in social and behavioral sciences
• The Jonathan F. Plimpton Award to a graduating senior for outstanding achievement in anthropology
• The Ruth and Newbell Niles Puckett Award to a graduating senior for outstanding achievement in anthropology

Art History
• The Muriel S. Butkin Art History Prize for overall best performance and highest grade point average by an undergraduate art history major
• The Noah L. Butkin Award for the best term paper on an art history topic written by an undergraduate
• Friends of Art Prize awarded to an undergraduate senior art history major for distinction in the field of art history

Art Studio
• The Charles E. Clemens Prize for outstanding talent and accomplishment in art
• The William Grauer Award for excellence in art studio courses
• The Doris Young Hartsock Prize for excellence in art education
• The Hazel Gibbs Herbruck Prize for excellence in art education
• The Kennedy Prize for creative work in art
• The Arnold Philip Award for excellence in art

Astronomy
• The Jason J. Nassau Prize to an outstanding senior student in astronomy

Biochemistry
• The Merton F. Utter Prize to a candidate for the BA majoring in biochemistry for outstanding achievement
• The Harland G. Wood Prize for outstanding performance by a graduating senior majoring in biochemistry who is a candidate for the BS in Biochemistry

Biology
• The Daniel Burke Prize for excellence in both biology and chemistry
• The Francis Hobart Herrick Prize for outstanding biological research and academic excellence in biology
• The Russell M. Lawall Prize in Biological Sciences for excellence in biology
• The Flora Stone Mather Alumnae Award in Biology for outstanding academic performance in biology
• The Michelson-Morley Undergraduate Research Prize in the Biological Sciences for outstanding research presentation, funded by the Howard Hughes Medical Institute
• The Ralph A. Spengler, Jr. Award for excellence in plant science
• The J. Paul Visscher Memorial Award of the Cleveland Audubon Society to the senior or graduate student who demonstrates outstanding ability and promise in the field of ecology or environmental science

Biomedical Engineering
• The Jose Ricardo Alcala Memorial Award for biomedical engineering research
• The Mark Bernstein Memorial Award to a senior biomedical engineering major for outstanding achievement in academics and leadership, contributions to research, and service to the university, department or community
• The Biomedical Engineering Chairman’s Award for outstanding academic achievement and service to the biomedical engineering community
• The Biomedical Engineering Faculty Award for outstanding academic achievement, and service to the biomedical engineering community
• The Biomedical Engineering Research and Engineering Award for outstanding performance in biomedical engineering research combined with outstanding academic achievement
• The Biomedical Engineering Scholarship Award
• The Cristina A. Camardo Award to a biomedical engineering student for outstanding scholarship and leadership in biomedical engineering
• The Srinivasa (Vasu) P. Gutti Chairman’s Award to a biomedical engineering student for outstanding performance in biomedical engineering research
• The Outstanding Senior Project Presentation Award
• The Honorable Professor Srinivasan (Vasu) P. Gutti Award for outstanding performance in biomedical engineering
• The Outstanding Undergraduate Teaching Assistant Award
• The Gheorghe and Claudia Mateescu Award for Research in Imaging to an undergraduate biomedical engineering student with a sub-discipline in biomedical imaging
• The J. Thomas Mortimer Cooperative Education Award
• The Outstanding Industrial Experience Award

Chemical and Biomolecular Engineering
• The Monroe J. Bahnson Award to a senior for achievement in chemical engineering whose work in design and research projects has been outstanding.
• The Chemical Engineering Award for the outstanding junior student
• The Chemical Engineering Award for the outstanding sophomore student
• The Connie Ilcin Award to the student who exhibits outstanding performance in chemical engineering
• The Carl F. Prutton Chemical Engineering Award to the senior whose academic performance merits his or her selection as outstanding.
• The William H. Schuette Memorial Award to an outstanding senior in chemical engineering
• The A. W. Smith Prize to a senior for academic achievement in chemical engineering in the junior and senior years

Chemistry
• The Analytical Chemistry Award for excellence in analytical chemistry
• The Hippolyte Gruener Award to a student for merit in chemistry
• The Hypercube Scholar Award
• The Inorganic Chemistry Award for excellence in inorganic chemistry
• The Iota Sigma Pi/Frank Hovorka Prize to the woman chemistry major with the highest average after three semesters
• The Eli Lilly Award to a sophomore or junior chemistry major pursuing the B.S. degree
• The Charles F. Mabery Prize is awarded to the undergraduate or graduate student presenting the best thesis on a subject connected with research in the Department of Chemistry
• The Mateescu Citizenship Award
• The Merck Index Award to an outstanding organic chemistry student
• The Ignacio Ocasio Freshman Chemistry Achievement Award for the highest achievement in freshman chemistry
• Polymer Valley Chemical Undergraduate Research Award
• The Carl F. Prutton Prize for scholarship in chemistry to a student pursuing a BS degree
• The Olin Freeman Tower Prize for excellence in physical chemistry
• The W. R. Veazey Prize to a student with the highest academic achievement in physical chemistry courses

Civil Engineering
• The Kenneth M. Haber Award to the outstanding senior in civil engineering
• The Roy Harley Prize to a promising senior or graduate student in civil engineering
• The Craig J. Miller Memorial Award to a student who has shown outstanding academic achievement
• The Allison C. Neff Memorial Award in recognition of high proficiency in professional studies and participation in professional activities to a junior whose major field is civil engineering
• The Richard and Opal Vanderhoof Award to an outstanding senior in civil engineering

Classics
• The Crawford Summer Scholarship to the American School of Classical Studies in Athens
• The Abraham Lincoln Fuller Prizes for excellence in the study of Greek or Latin
• The Emma Maud Perkins Prize for excellence in classical studies

Cognitive Science
• The Cognitive Science Award to the graduating senior for outstanding academic achievement in cognitive science
• The Award in Cognition and Culture

Dance
• The Lily Dreyfuss Memorial Award for excellence in dance
• The Bradford W. Petot Award for Excellence in Dance to a student minoring in dance

Earth, Environmental and Planetary Sciences
• The Charles S. Bacon Award for outstanding contributions to the Department of Geological Sciences
• The Philip O. Banks Award for outstanding academic achievement in geological sciences
• The Carol W. Walker Award for an outstanding senior project in the Department of Geological Sciences

Economics
• The Robert N. Baird Award for academic excellence and leadership in extracurricular activities
• The Marvin J. Barloon Book Award for outstanding performance in economics
• The Gardiner Scholarship to a junior majoring in economics and also interested in finance
• The H. W. Kniesner Prize to an outstanding senior in economics
• The James Dysart Magee Award to an outstanding student in economics for the senior year
• The Howard T. McMyler Award to an outstanding junior majoring in economics
• The WSOM Dean’s Achievement Award for scholarship and leadership in economics

Electrical Engineering and Computer Science
• The ACM Award to the senior judged by the student chapter of the Association for Computing Machinery most likely to have an outstanding professional career
• The Chairman’s Award to a student in the Department of Electrical Engineering and Computer Science who shows exceptional academic or leadership potential
• The Donald P. Eckman Award to the outstanding senior in systems and control engineering
• The Electrical Engineering and Computer Science Award for the best senior project in electrical and computer engineering
• The Electrical Engineering and Computer Science Award for the best senior project in computer science
• The Best Senior Project Award in Systems and Control Engineering
• The Electrical Engineering Service Award to the senior performing outstanding service to his or her class
• The IEEE/HKN Award to the senior judged by the student chapters of the Institute of Electrical and Electronics Engineers and Eta Kappa Nu to possess the qualities necessary for an outstanding professional career in a general field of electrical engineering
• The National Electrical Engineering Consortium William L. Everitt Award to a student who has excelled academically in communications or computers
• The Andrew R. Jennings Award to a senior for excellence in Computer Engineering and Sciences
• The Carolyn J. and John A. Massie ’66 Prize for Computer Engineering awarded to the outstanding junior in computer engineering with exceptional research and leadership potential
• The Carolyn J. and John A. Massie ’66 Prize for Computer Engineering awarded to the outstanding sophomore in computer engineering with exceptional research and leadership potential
• The Carolyn J. and John A. Massie ’66 Prize for Computer Science awarded to the outstanding junior in computer science with exceptional research and leadership potential
• The Carolyn J. and John A. Massie ’66 Prize for Computer Science awarded to the outstanding sophomore in computer science with exceptional research and leadership potential
• The W. Bruce Johnson Award to a senior for an outstanding project in the area of electrical sciences and applied physics
• The EECS Research Award to the senior demonstrating exceptional research potential
• The Undergraduate Alumni Capital Award in Systems and Control Engineering to a senior for academic excellence and professional promise.

English
• The Charles E. Clemens Award for talent and accomplishment in writing
• The Finley Foster/Emily M. Hills Poetry Prize for the best poem or group of poems
• The Emily M. Hills Award for the best poem or essay written by a woman in the College of Arts and Sciences
• The Holden Prize for the best English paper written by an upperclass student
• The Kennedy Prize for creative work in English
• The Edith Garber Krotinger Prize for excellence in creative writing
• The Karl Lemmerman Prize for the best paper by a first-year student
• The Eleanor Leuser Award for outstanding writing for or about children by a student enrolled in a creative writing course at the university
• The Nemet Scholarships for the demonstration of excellence in creative writing
• The Harriet Pelton Perkins Prize to an outstanding student majoring in English
• The Helen B. Sharnoff Award for formal poetry submitted by undergraduate students

Environmental Studies
• The Henry David Thoreau Award for an outstanding senior in environmental studies

History
• The Donald Grove Barnes Award to a senior for excellence in history
• The Clarence H. Cramer Award for excellence in research and writing of history
• The Annie Spencer Cutter Prize to a senior for outstanding achievement in history
• The History Department Award for outstanding achievement in history
• The Sigma Psi Prize for excellence in history
• The John Hall Stewart Prize for excellence in historical studies

Judaic Studies
• The Ira and Ruth Bressler Prize to a student who has done outstanding work in the area of Jewish studies
• The Eudese and Elmer Paul Prize to one or several undergraduate or graduate students who demonstrate an interest in Jewish studies or Jewish contemporary life

Macromolecular Science and Engineering
• The Hal Loranger Award to the outstanding senior in polymer science
• The Macromolecular Senior Achievement Award
• The Samuel Maron Memorial Award to an undergraduate for excellence in polymer research

Management
• The Robert O. Berger Jr. Award to a junior who demonstrates overall achievement in scholarship, as well as notable community participation and leadership
• The Nellie Chittenden Carlton Prize to a senior in management whose outstanding work in the general field of economics shows the greater promise of leadership
• The Dean’s Achievement Award for excellence in scholarship and leadership in management
• The Excellence in Finance Award
• The Excellence in Marketing Award
• The Financial Executive’s Institute Award/Outstanding Finance Student Award
• The Outstanding Marketing Student Award
• The Roulston Performance Award for outstanding performance in management
• The Kevin J. Semelsberger Prize for excellence in management

Mathematics, Applied Mathematics, and Statistics
• The Case Alumni Award to an outstanding senior mathematics major
• The Chair’s Award to a student contributing to the intellectual life of the majors program
• The Max Morris Prize to an outstanding undergraduate student in mathematics who is pursuing the BS degree
• The Webster Godman Simon Mathematics Award to a sophomore or junior pursuing a BA degree, for excellence in mathematics
Mechanical and Aerospace Engineering
• The Robert and Leona Garwin Prize to a student who has demonstrated theoretical scientific ability with experimental competence and inventive talent
• The Gustav Kuerti Award to the senior in mechanical and aerospace engineering who has demonstrated the highest level of scholarship
• The Anish Shah '91 Award to an outstanding senior in mechanical and aerospace engineering based on academic achievement, extracurricular activities, and community service
• The Fred Hale Vose Prize to the senior in mechanical engineering who has demonstrated the greatest promise for professional leadership

Modern Languages and Literatures
• The Arabic Book Prize for high achievement in Arabic
• The Louise Burke French Prize to an outstanding French student
• The Chinese Book Prize for high achievement in Chinese
• The Susie Scott Christopher Prize for excellent contributions to the French program
• The Department of Modern Languages and Literatures Award for outstanding achievement
• The Emile B. DeSauze Award for attaining the highest honors in modern languages and literatures
• The Folberth German Prize for excellence in German language and literature
• The French Book Prize for high achievement in French
• The German Book Prize for high achievement in German
• The Hebrew Book Prize for high achievement in Hebrew
• The Italian Book Prize for high achievement in Italian
• The Japanese Book Prize high achievement in Japanese
• The Max Kade Excellence in German Award
• The Florence Keuerleber Prize to an undergraduate student who has seriously pursued and excelled in the study of a modern language while majoring in another area
• The Russian Book Prize for high achievement in Russian
• The Spanish Book Prize for high achievement in Spanish

Music
• The Arthur H. Benade Prize to a senior with a major other than music who has made a notable contribution to music on campus during his or her undergraduate years
• The Charles E. Clemens Prize for talent and accomplishment in music
• The Doris Young Hartsock Prize for outstanding performance in music education
• The Kennedy Prize for creative work in music
• The Lyman Piano Award
• The Ronis Recital Prize to an outstanding undergraduate majoring in music who has made an exceptional contribution to the musical life of the University and has been selected by audition to perform in the Leonard and Joan Ronis Annual Memorial Recital

Nursing
• The Bolton Scholar Award for Excellence in Critical Care Nursing
• The Bolton Scholar Award for Excellence in Gerontology
• The Bolton Scholar Award for Excellence in Maternal-Child Nursing
• The Bolton Scholar Award for Excellence in Nursing Informatics
• The Bolton Scholar Award for Excellence in Nursing Research
• The Bolton Scholar Award for Excellence in Pediatric Nursing
• The Bolton Scholar Award for Excellence in Psychiatric/Mental Health Nursing
• The Dean's Award for an outstanding capstone project
• The Director's Award for the Outstanding BSN Graduate

Nutrition
• The Mary Eliza Parker Award for excellence in nutrition and dietetics

Philosophy
• The Truman P. Handy Philosophical Prizes to outstanding juniors or seniors for excellence in philosophy

Physical Education
• The Emily Russell Andrews Award to the senior woman who makes the greatest contribution to the physical education department through scholarship, leadership, participation, and service
• The Philip K. “Nip” Heim Award to the senior man who makes the most outstanding contribution to Case Western Reserve University through the athletic program
• The Dorothy L. Hoza Award to the outstanding freshman, sophomore or junior who has made a strong contribution to the women’s intercollegiate sports program, maintained a high level of academic achievement, shown leadership in the team, and contributed service to the department and university
• The Patricia B. Kilpatrick Award to the four-year varsity participant with the highest grade point average
• The Arthur P. Leary Award to the outstanding first-, second- or third-year student who has demonstrated leadership, good sportsmanship, maintained good academic standing, and made contributions to the department of physical education and the university

Physics
• The B.S. Chandrasekhar Prize awarded upon completion of the junior year to a physics major who has demonstrated superior performance
• The Leslie L. Foldy Award to the outstanding senior in physics
• The Dayton C. Miller Award to an outstanding senior in physics for the best thesis
• The Elmer C. Stewart Memorial Award to an outstanding senior in Engineering Physics
• The Senior Award for service and scholarship in physics

Political Science
• The James Dysart Magee Award for the senior year, to an outstanding student in social and behavioral sciences
• The Flora Stone Mather Alumnae Award for outstanding academic performance in political science

Psychological Sciences
• The Stephen Bednarik Memorial Award to an outstanding senior majoring in psychology
• The James Dysart Magee Award for the senior year, to an outstanding student in social and behavioral sciences
• The Professor Edwin P. Hollander, Adelbert 1948, and Mrs. Patricia A. Hollander Capstone Research Award
• The Flora Stone Mather Alumnae Award for outstanding academic performance in psychology
• The National Student Speech-Language-Hearing Association Award for outstanding leadership and achievement in communication sciences

Religious Studies
• The Ratner Family Prize to a graduating senior for the highest academic achievement in the study of religion

Sociology
• The Stella Berkeley-Friedman Award to a graduating senior for the highest academic achievement in the study of sociology
• The Robert C. Davis Award for demonstrated commitment to sociological studies
• The Mark Lefton Award for excellence in sociological studies
• The James Dysart Magee Award for the senior year, to an outstanding student in social and behavioral sciences
• The Schermerhorn Award for an outstanding student in sociology

Theater
• The Dionysus Award for an outstanding contribution to theater for a student not majoring in theater arts
• The Barclay Leathem/Nadine Miles Award for creativity and general excellence in theater

Women’s and Gender Studies
• The George Sand Award in Women’s and Gender Studies to a graduating senior majoring or minoring in the field for excellence in academic performance
• The Sojourner Truth Award to an outstanding student who combines academic excellence in Women’s and Gender Studies with commitment to community service, advocacy of women’s and gender-related issues, and activism
• The Mary Wollstonecraft Award to a continuing undergraduate student for excellence in Women’s and Gender Studies courses

Awards for Study Abroad
• The Brookes Friebolin Award to an outstanding student for study in France
• The Eva L. Pancoast Memorial Fellowship for graduating senior women in the College of Arts and Sciences or women students in the School of Graduate Studies interested in extending their education by foreign travel or study
• The Alice Seagraves Award to outstanding students for study abroad

Collegiate Awards
• The Robert J. Adler Award to the undergraduate engineering student who, through high scholarship, technical creativity, and service to his or her peers, best exemplifies the ideals and talents of Professor Robert J. Adler
• The Army ROTC Professor of Military Science Award to the senior ROTC cadet who possesses the highest ideals of leadership, academics, and physical fitness
• The Baker-Nord Center for the Humanities Prize for excellence in a SAGES capstone project or senior paper in the humanities

• The Bolton Scholar Award for Academic Excellence
• The Bolton Scholar Award for excellence in leadership and community service
• The Bolton Scholar Award for Excellence in Nursing for the student who has attained the highest academic record at the junior level
• The Bolton Scholar Award for Excellence in Nursing for the student who has attained the highest academic record at the sophomore level
• The Carol and Edward Breznyak G’64 Cooperative Education Student of the Year Award to a student in the Case School of Engineering who has demonstrated outstanding performance in the Cooperative Education Program based on industry evaluations, written reports and student initiative
• The Case Alumni Association Prize for Achievement to the senior with the best academic record in the Case School of Engineering
• The Case Western Reserve University Women’s Club Prize for a student completing an outstanding Capstone Project
• The Edward J. “Ted” Corcoran Award to a senior for outstanding leadership, character and service
• The Dean's Achievement Award for excellence in scholarship and leadership in accounting/management
• The Russell A. Griffin Award to a senior in the College of Arts and Sciences who has made the most significant contribution to campus life
• The George T. Hunt Awards to a junior and a senior outstanding in leadership, scholarship, and service
• The Matthew Leskiewicz Award to a senior in the Weatherhead School of Management for outstanding leadership and service
• The Louis K. Levy Prize for an outstanding junior in the College of Arts and Sciences
• The P. G. “Jerry” Lind Award for a graduating senior in engineering or science who has made a significant contribution to campus life
• The Flora Stone Mather Alumnae Award for outstanding academic performance in the humanities
• The Outstanding Junior Awards of the Case School of Engineering to juniors with the best academic records at the end of five semesters in the Case School of Engineering
• The Outstanding Junior Awards of the College of Arts and Sciences to juniors with the best academic records at the end of five semesters in the Case School of Engineering
• The Outstanding Sophomore Awards of the Case School of Engineering to the sophomores with the best academic record at the end of three semesters in the Case School of Engineering
• The Phi Beta Kappa Prize to sophomores with the best academic records in a liberal arts curriculum after three semesters
• The Alexandra Piepho Learning and Life Scholarship to the student who demonstrates enthusiasm for experiential learning and life, provides guidance to others, and exhibits a broad scope of learning interests
• The Harriet Levison Pullman Award to a sophomore outstanding in scholarship, leadership, and service
• The John Schoff Millis Award to the senior with the best academic record in the College of Arts and Sciences
• The Sylvia Green Rosenberg Award to a part-time or full-time non-traditional student
• The Joseph Skigin Memorial Award to an outstanding premedical student for the senior year
• The Stephanie Tubbs-Jones Award for significant contributions to campus life, scholarship and community service
• The Weatherhead School of Management Award to a senior, for outstanding achievement in the Weatherhead School of Management
• The Stanley E. Wertheim Prize for an outstanding junior in the Case School of Engineering who has demonstrated leadership skills through involvement in campus or co-op activities
• The Peter Witt Scholarship to a deserving student who demonstrates a vital and active interest in the improvement of life in Cleveland

Undergraduate Non Degree Students

Non-Degree Students

Transient (Visiting) Students

A transient student is one who has begun his or her education at another college or university and intends to return there. The university permits full- or part-time study as a transient student in the summer as well as during the fall and spring semesters. Enrollment must be for credit-bearing courses.

Applications for enrollment as a transient student may be obtained from the Office of Undergraduate Studies, 357 Sears Building. Before enrollment, the transient student must present a statement of good standing from the registrar of his or her home college. A degree candidate from another institution may not enroll as a transient student at Case Western Reserve University if the student would not be eligible to enroll for that semester at his or her home institution. Exceptions may be granted by appeal to the Academic Standing Board, c/o the Office of Undergraduate Studies.

Enrollment is limited to 30 semester hours and is subject to the regulations of the student’s college. Transient students must meet all requirements for prerequisites before being admitted to specific courses. Transient students are expected to perform at the same academic standards as degree candidates. In particular, transient students whose records would make them eligible for separation as degree candidates may not continue as transient students unless they successfully petition the Academic Standing Board.

Transient students are not eligible to receive financial aid from Case Western Reserve University. If the student’s home institution has entered into a consortium agreement with Case Western Reserve University, the student should inquire of the home institution regarding eligibility to receive aid through the home institution.

Non-Degree Students

Adults who do not already hold a bachelor’s degree may apply through the Office of Undergraduate Studies to enroll for credit in courses for which their education or experience has qualified them, even though they are not pursuing a baccalaureate degree. Applicants are expected to provide a transcript from the most recent college or high school attended. Those who have been degree-seeking students at Case Western Reserve University or have been denied admission to Case Western Reserve as an undergraduate transfer student are not eligible to attend as non-degree undergraduates.

Non-degree students may study full- or part-time and enroll in the same classes as degree students. They are required to perform up to the same academic standards as degree students.

Non-degree students may be eligible for admission to candidacy for an undergraduate degree program if they meet the requirements for admission to the university. Courses taken for credit as a non-degree student may be applied toward the degree upon acceptance as a degree candidate. A non-degree student who wishes to become a degree candidate must apply through the Office of Undergraduate Admission.

Persons who already hold degrees and wish to continue their studies without actively pursuing an additional degree should apply to the School of Graduate Studies.

Pre-College Scholars

The Pre-College Scholars Program (http://case.edu/ugstudies/pre-professional/scholars-program.html) at Case Western Reserve University is designed to give highly motivated and able secondary school students the opportunity to enroll in challenging college courses prior to graduation from high school, either in the summer or during the academic year. Admission to the Pre-College Scholars Program is selective and competitive. Case Western Reserve University has limited seats available for this program and preference is given to qualified juniors and seniors who have exhausted academic options at their high schools and who are looking for unique educational opportunities. Students must have pursued a rigorous curriculum and achieved academic excellence in all course work. Additional factors considered in admission are the applicant’s standardized test scores (ACT, PSAT, SAT, or other tests of aptitude and/or academic achievement), and the applicant’s academic goals and level of maturity. Pre-College Scholars may take a maximum of two courses per term. They attend regularly-scheduled classes with undergraduate students at Case Western Reserve, and must be able to work well independently at the college level. Questions about the program should be directed to the Office of Undergraduate Studies at 216.368.2928.

Special Audit

The Special Audit Program provides the adult student with the opportunity to attend a regular university course as a serious but informal observer at half the regular tuition. This program is available only to those not enrolled in a degree program at Case Western Reserve University. Special audit students receive no grades and no academic credit for the courses attended. No transcripts will be issued, but a certificate of attendance will be provided if requested.

Registration for this program is handled by the Office of Undergraduate Studies. No transcripts are necessary to register.

Course Audit Program for Senior Citizens

Case Western Reserve University’s Course Audit Program for Senior Citizens (http://www.case.edu/provost/seniorauditprogram) (CAPSC) allows senior citizens (age 65 and older) to take on campus courses at a reduced tuition rate.

SAGES Courses

SAGES Courses

For a full description of the SAGES Program, see the section on General Degree Requirements (p. 4).

This list of courses includes only those courses offered directly by the SAGES Program that have been approved as permanent offerings. Not all of the First Seminars and University Seminars listed are offered every
year, but the list of offerings in any given year will include courses that received one-term approval. All Department Seminars are offered through the academic departments and are listed among their course offerings. Most Senior Capstone courses are offered through the academic departments, though several are offered through the SAGES Program and are included here with the course prefix UCAP.

FSNA Courses

FSNA 103. Energy and Society. 4 Units.
This four-credit-hour course provides an introduction to various dimensions of academic life. It will be characterized by intense yet open-ended intellectual inquiry, guided by reading from primary as well as secondary sources, and will include practice in written and oral communication in small groups. The goals of the seminar are to continue to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience for first-year students at Case.

FSNA 104. Archaeoastronomy: Monuments and Ideas. 4 Units.
The unifying theme of this course is how astronomical practice and knowledge is central to ancient civilizations and how that emphasis continues today as manifested through scientific endeavor and also as strongly through the power of unifying myth.

FSNA 105. Chemical Aspects of the Aging Mind. 4 Units.
This seminar will focus on three age-related neurological disorders: Alzheimer's, Parkinson's and Huntington disease. These diseases pose enormous social and economic impact, and current drug-based therapeutic approaches are limited and may not be suited to deal with the imminent problems. The seminar will examine lifestyle changes (i.e., diet, exercise, vitamins, and other habits such as reading) that are implicated in preventing or slowing down these disorders. The focus on a medical topic with important socioeconomic ramifications will provide a novel approach to enhancing critical thinking and communication skills.

FSNA 110. Science and Race. 4 Units.
This four-credit seminar examines the development and impact of the concept of race. We will first focus on the causes of biological variability in species, leading to an evaluation of whether race is a useful device for understanding biological variability in humans. Second, we will examine how the understanding of race has changed over time within the biological sciences. Third, we will examine how scientific conceptualizations about race have influenced, and been influenced by, cultural beliefs. Through readings and open-ended discussion, we will critically examine the scientific process as it has been (and still is) being applied to the study of human races so that each student will ultimately be equipped to develop a scientifically sound conceptualization of race. Topics which will be covered include Social Darwinism, the eugenics movement, legislation to restrict immigration into the U.S., race-based medicine, and race and intelligence. Students are expected to enhance their skills at critical reading, thoughtful analysis, constructing logical arguments, and improving written and oral communication.

FSNA 111. Facts and Values in Environmental Decisions. 4 Units.
We will begin by studying climate evidence, uncertainties, and value judgments pertinent to some of the world's pressing environmental issues. We will begin by studying climate change. Students will decide the topics of exploration to follow. Through readings, field trips, discussions and writing we will investigate natural environmental processes and how they have changed with the growth in human population and technology. Students will learn about the scientific process and will consider the roll of science and technology and their limits in making decisions about shared resources.

FSNA 112. Talking Brains: The Neuroscience of Language. 4 Units.
J speaks both Italian and English. After suffering a stroke, he finds himself switching to Italian in the middle of a sentence, even when he knows the person he's talking to doesn't speak Italian! He can't stop himself from doing this. In this discussion-based seminar, he'll use cases like J's to understand how a mass of cells can give rise to something as complicated as human language. We'll use primary source readings from neuroscience to study topics such as the typical organization of language in the brain, bilingualism, sign language, and problems with language resulting from brain injury.

FSNA 113. Facts and Values in Environmental Decisions. 4 Units.
This four-credit seminar will guide students to critically evaluate the evidence, uncertainties, and value judgments pertinent to some of the world's pressing environmental issues. We will begin by studying climate change. Students will decide the topics of exploration to follow. Through reading, field trips, discussions and writing we will investigate natural environmental processes and how they have changed with the growth in human population and technology. Students will learn about the scientific process and will consider the roll of science and technology and their limits in making decisions about shared resources.
FSNA 116. Cities (Under Construction). 4 Units.
Based on the premise that cities are never “finished,” and constantly being remade, we will look at the technological and cultural history of cities from the ancient world to the present day. Students will explore the history of building materials—wood, brick, steel, concrete, and glass—used in the construction of cities. We will also trace the development of city infrastructure such as water and sewage systems; streets, bridges, and subways; electricity, telephone and the internet. Specific technological innovations, such as the elevator and the automobile, will receive special consideration. We will move both geographically and temporally to visit the world’s great cities, Athens, Mexico City, Tokyo, and New York City. As we do, we will study the examples of significant building projects, such as the Brooklyn Bridge, the Chicago World’s Fair, Washington, DC’s Metro, and Cleveland’s first skyscraper, the Rockefeller Building. The course will cover the history of the professions—engineering, architecture, and urban planning—that have contributed to the construction of cities, and will review the works of these practitioners, as well as that of artists, reformers, and utopians that have imagined new directions for the city. We will also explore first person narratives of the city, the impact of the city on personal and collective memory, and the possibilities and pitfalls of the “virtual” city. Through lecture, discussion, textual analysis, computer simulations, and writing assignments, Cities (Under Construction) will help students gain a deeper understanding of their role in remaking and sustaining the built environment.

FSNA 120. The Impact of Materials on Societal Development. 4 Units.
This four credit-hour SAGES seminar provides an introduction to various dimensions of academic life through open-ended intellectual inquiry and guided by reading from primary and secondary sources. The course will require practice in written and oral communications in small groups. A primary focus of the seminar will be to examine the impact of engineering materials on societal development through human history using a few specific materials of interest as examples: concrete, steel, and semiconductors. At the conclusion of the course, students will be encouraged to explore the impact of other materials on the development of specific technologies as a group project.

FSNA 122. Science in the World of Harry Potter. 4 Units.
The Harry Potter books have attracted more readers than any other fantasy novel series. This seminar will discuss how science may account for or duplicate some of the magical endeavors described in the novels. We will assess the feasibility of certain means of transportation, such as traveling by the floo network, apparitions, and broomsticks, in the context of modern science and technology. Parallels between certain potions and contemporary drugs will be evaluated. The seminar’s conceptual framework, integrating fantasy with technology, will loosely follow the format of Michio Kaku’s nonfiction book “Visions: How Science Will Revolutionize the 21st Century.” In “Visions,” Professor Kaku offers the provocative thesis that many “fairy tale ideas” may be possible in the future thanks to advances in science and technology. A combination of Rowling and Kaku in one course should offer a unique opportunity for SAGES learning.

FSNA 123. The Automobile: Its Origins, Development, and Impact on American Society. 4 Units.
The automobile is without doubt one of the defining influences on American life and society. In 1900, most people lived in rural communities, and the main forms of personal transportation were walking and the horse and buggy. Half a century later, most Americans lived in cities or suburbs, there were millions of cars in garages, and roads and highways criss-crossed the nation. The car has transformed where we live and work, how we play, and the very nature of our cities. This course will examine the American automobile from several perspectives: its origins, evolution and effect on industry; its impact on American life and leisure; and the automobile as an art form and American icon. We will also discuss how we preserve examples of our automotive heritage. These topics will be explored in the context of the usual writing and discussion components of a first SAGES course.

FSNA 125. The Right Stuff. 4 Units.
This course will examine the Space Race. A key text for the course will be Tom Wolfe’s The Right Stuff. By taking a historical approach to the study of the achievements and failures of NASA scientists and astronauts, it is possible to examine: 1) how individuals dedicated to achieving a particular scientific end change the scientific method, 2) the consequences of scientific inquiry, and 3) how science develops in specific historic contexts.

FSNA 126. Urban Ecology. 4 Units.
This course will explore the natural world in an urban context. Urban spaces are defined by the interaction between human creation (the built environment) and the natural world. We will explore how those definitions can be complicated by human innovation meant to re-create nature, such as engineered wetlands. We’ll read some classical ecology to understand how ecological issues differ in cities. Some topics we’ll cover include: wildlife management; human/organism conflict and interdependence; urban heat islands; watershed, stormwater, and sewer management; and how trees grow in urban conditions. We’ll also explore ethical issues such as environmental justice and sustainable development. Our field trips are meant to illuminate how urban planners, park managers, and others deal with such issues to create positive and healthy environments for their communities. Students will apply arguments and concepts learned in the course readings to the sites we visit.

FSNA 128. Naturally Spicy: Spices, History, Culture, and Cuisine. 4 Units.
This course will delve into the world of spices. Each commercially important spice will be discussed with the goal of understanding the influence spices and the spice trade had on the history, culture, and cuisines of different parts of the world. The chemistry of some of the natural compounds present in the spices and their effect on various diseases will be explored by reading and discussing scientific literature. Finally, the class will cook with some of these spices and sample other distinctly spiced foods to learn more about various cuisines and cultures.

FSNA 129. Engineering Design for the World’s Poorest. 4 Units.
Almost half (47%) of the people in Africa have incomes less than $1.25 per day. Most of these people live as subsistence farmers in small villages with no electricity, running water or automobiles (but with cell phones). Through readings, group discussions, writing assignments, and open-ended experiential learning activities, the course will address ways that engineering solutions can improve peoples’ lives within these severe economic constraints. A hands-on component of the course will involve designing and building affordable devices to meet specific needs. We have developed interactions with villages in Senegal, Malawi, and Botswana, and the engineering solutions will be explored within the context of these villages.
FSNA 133. Engineering Innovation and Design. 4 Units.
Innovation and design are cornerstones of the engineering profession and are responsible for many of the improvements in the quality of life that have taken place over the last century. Innovation is also viewed as the essential skill that will drive economies and solve many of the challenges facing societies around the globe. This seminar-based course will provide a disciplined approach to engineering innovation and design. The course requires students to engage in written and oral communications as well as working in small teams to complete open-ended design/build-related assignments. The course will culminate in the design, fabrication and validation of a prototype product to meet an identified need. The design, fabrication and validation of these products will be carried out in think[box] 1.0 (Prentke-Romich Collaboratory), and the Reinberger Design Studio.

FSNA 134. Fuel Cells. 4 Units.
Fuel Cells convert hydrogen and other fuels directly to electricity and are viewed as a key technology for non-polluting, oil-independent energy in the future. In this course, we will study and critically analyze the prospects, technical and economic barriers, and impact of broad implementation of fuel cells, focusing on the transportation sector and portable power. Major topics of the course include: (i) World and US energy outlook; (ii) Potential role and impact of fuel-cells; their advantages, principles of operation, design and materials issues, limitations and prospects for improvements; (iii) Special focus on details of a polymer type fuel cells (PEMFCs) for transportation and portable power; (iv) Modeling fuel cell performance and evaluation of controlling mechanisms that limit performance. The course is designed for students from all disciplines. Students will be expected to read assigned texts and articles and critically analyze statements and points of view presented. Quantitative analysis will be encouraged and developed. Student teams will develop a hypothesis to improve fuel cell performance by modifying the design of a component of the fuel cell. The new component design with then be fabricated and tested in an operating prototype fuel cell. Data analysis, hypothesis conclusion, and reporting of results are expected.

BioDesign basics explores the art of finding patient needs. No prior clinical or medical education is required, as we focus on acquiring and refining the underpinning critical thinking skills needed to identify and articulate unmet clinical patient needs in contemporary healthcare settings. Many--if not a majority of--ideas leading to healthcare innovation are derived from issues that arise during the daily activities of caring for patients. Whether it is frustration with the use of a specific surgical instrument, processes that interfere with health care delivery, better waiting rooms for the family, designing more comfortable hospital gowns, or materials inadequate for intended outcomes, patient needs cover a broad range of physical and emotional states. Many students find the idea of identifying a "patient need" quite ambiguous at first, but the BioDesign process for defining patient need is a widely use national model developed at Stanford University that the student will find contains easy-to-follow steps that are simple and appealing. As an interactive and "hands-on" course, students will be engaged in discussions, events and activities to promote a first-hand understanding of "needs finding" to support individual mastery of writing and oral presentation skills. The Fourth Hour will be centered on "walking tours" of local medical institutions around University Circle as well as actual use of medical devices (wheelchairs and crutches) on campus as ways to help your efforts identify a patient need based on those observations. In short, you will create your own experiences leading to stories that make writing fun. The course requires students to engage in written and oral communications as well as working in small teams to complete open-ended assignments.

FSNA 137. Volts, Amps, Bits, Bytes. 4 Units.
The electrical grid, the computer, biomedical devices, electric vehicles, interactive art, and smart homes are a few examples of the pervasiveness of electronics and computer technology. This seminar will introduce the engineering design process, and present the basics of electricity, electronic circuits, measurement, sensors, and microcomputers (the Arduino), and how to use them to design and build useful devices. Students will reverse-engineer products, learn electrical and mechanical prototyping and fabrication, and apply them in a variety of hands-on labs. The course will conclude with students proposing, designing, and prototyping innovative design projects. The course will make extensive use of the Sears Design Lab and Think[box] and is writing intensive.

FSNA 138. Light. 4 Units.
This course explores Light, otherwise know as visible electromagnetic radiation. We will examine what light is in its various forms; how it is created and detected; how we perceive it; and how it has influenced our evolutionary development, our technological, artistic, and religious cultures, and our conceptions of space and time. Students will discuss topics suggested by the course readings and by exposure to the many scientific activities, historical artifacts, and artistic works on the CWRU campus and at other local institutions that involve light in a significant way.
FSNA 142. Designed by Man, Built by Nature. 4 Units.
If you look at the structure of a human tendon, and at the reinforcement system in an automobile tire, they share many design elements in common. The eye of an octopus and a high performance surveillance lens can be similar as well. The structure of sea shell and of vehicular armor - again, these share common features. In this class we will examine how nature designs things for performance, and how mankind copies these to produce useful objects. Two general introductions to technology will be supplemented with specific readings from the technical literature to provide a broad introductory background. This writing-intensive seminar is tailored for incoming CWRU students with an interest in science, engineering and technology. Among other class activities this seminar will require the student to research, design and build prototype bio-inspired systems according to assignments made in class, with a competition held during the last week of the semester.

FSNA 143. Materials and Energy. 4 Units.
Manufacturing and using the materials of modern life--metals, polymers, ceramics, paper products, and others--play major roles in the world's consumption of energy and natural resources. This course will objectively and (when applicable) quantitatively explore the technological and social forces that drive current levels of materials usage. Through readings, group discussions, writing assignments, and open-ended experiential learning activities, the course will address the following questions: What are the scale and geographical distribution of materials usage? How do the magnitude and impact of materials usage compare to those of other demands on energy and resources (such as agriculture, transportation, residential heating, and clean water)? What are the impacts--positive and negative--of materials consumption on society and the natural environment? How did the world get to its current situation, and what should, and can, be done in the future? Students successfully completing this course will be able to think critically and objectively about the role of materials in society's use of energy and natural resources, and to articulate realistic, persuasive arguments based in quantifiable facts about these topics.

FSNA 148. Science or Pseudoscience? Exploring Extraordinary Claims. 4 Units.
In the contemporary world, extraordinary claims about ghosts, aliens, and the nature of the universe appear on popular television shows, on the Internet, and in the press. Many of these claims are framed as science. In this seminar, we critically examine the nature of these understandings of the world around us. We will ask if these claims are scientific and, if not, whether they constitute a form of pseudoscience. We will explore the role of demarcation, evidence, scientific progress, and fallacies of reasoning in pseudoscience. We will also consider the historical and sociocultural currents that give rise to these pseudoscientific claims as well as their social and political implications. Drawing on anthropological, philosophical, and historical case studies, we will consider topics such as cryptozoology, astrology, ancient aliens, parapsychology, the Nemesis theory of dinosaur extinctions, theories of intelligence, and other extraordinary claims.

FSSO Courses

FSSO 110. Conflict and Cooperation. 4 Units.
Why is it that when cooperation seems so likely, conflict breaks out? Or why at other times when conflict looms, cooperation wins out? This course explores the social and political complexities of this basic human condition. Through seminar discussions of classic readings, the course will introduce students to the basic social science concepts and theories used to explain conflict and cooperation. In addition to general knowledge, the course will also allow students hands on experience. Classroom time will be dedicated to simulating the decision making and negotiating dynamics which lead to cooperation or conflict. Studies will include individual, historical, and international cases. Graded projects will include small group negotiation and decision making exercises as well as individual writing tasks.

FSSO 112. The Ethnic/Racial Experience in America. 4 Units.
This four credit hour course focuses on the ethnic/racial experiences of Native, African, Latino and Asian Americans through representative works of fiction, nonfiction and film. We will look at the way racial and ethnic identities are produced through political struggle on a local/ national/global scale and how they are maintained and transformed over time. We also pay close attention to the ways in which race and ethnicity intersect with gender, sexuality, class, parental pressure, and nation in order to better understand how systems of power and inequality are constructed, reinforced, and challenged.

FSSO 114. Music in Our Lives. 4 Units.
This seminar will examine the role, meaning, power, and influence of music in our lives. Readings, writing assignments, and fourth-hour events will focus on the following three themes: music is important, everyone is musical, and there are many uses of music and ways to be musical. Topics include the Cleveland music scene, the use of music in political movements, music in today's media, and the use of music to heal. This course will be characterized by intense yet open-ended intellectual inquiry, guided by reading from primary as well as secondary sources. It will also include practice in written and oral communication in small groups. The goals are to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience for first-year students at Case.

FSSO 116. Working-Class Heroes. 4 Units.
This course will focus on the representation of the American laborer in literary and other cultural texts. Beginning our study with mid-to-late nineteenth-century works, we will concentrate on how particularly American ideas about economics, race, and gender shape authors' depictions of working-class figures, reading both primary and secondary sources. We will examine and discuss historical debates concerning the "hero in struggle" while paying special attention to rhetorics of protest and reform as informed by literary modes such as Sentimentalism, Naturalism, Realism, and Modernism. Throughout the course, we will pair the literary and historical readings with pop-cultural representations of working-class figures, viewing films, listening to music, and analyzing visual arts both in class and on visits to Cleveland cultural institutions. Writing Requirements include short critical response papers, two longer papers, and a final project accompanied by class presentations.
FSSO 119. Philanthropy in America. 4 Units.
This four-credit course provides an introduction to various dimensions of philanthropy and volunteerism. Using the seminar format and an array of interactive activities, we will conduct a broad but intellectual inquiry into the systems and ethics of giving time and money to charitable causes. In four units of inquiry, we will consider the giving traditions that have influenced American culture and society since its colonial days. We will examine the role that the Third Sector (also known as the Independent or Nonprofit Sector) plays as an agent of social change in a functioning democratic republic. We will explore the nature of donors and volunteers and take a critical look at the missions and goals of a cross section of nonprofit organizations. We will wrestle with ethical issues related to philanthropy and consider the giving patterns of different social, religious, and ethnic groups. We will also turn our collective thinking to how the nonprofit sector might better serve the social needs of the nation and the world. At the end of the semester, we will reflect on how our ideas about philanthropy have changed over the course of fifteen weeks.

FSSO 120. Poverty and Social Policy. 4 Units.
This course has two major foci: poverty and social policies designed to ameliorate poverty. Sociologists in the United States and in other countries have made major contributions to studies of poverty. They have primarily focused on income-based poverty, but more recently, have also studied other forms of poverty. In this class, we will examine different conceptualizations and measures of poverty. We will then examine short-term and long-term poverty experiences and their potential consequences. We will then turn to explanations of poverty: why are some individuals more likely to experience periods of low income than others? While the United States will be the focus of the course, we will contrast the experiences of other countries. The second component will be an analysis of social policies designed to ameliorate poverty. In particular, we will examine the development and retrenchment of welfare states and other social policies, the various goals of social policy, and the different impacts social policies have had on individuals, families, other groups, and the country overall. This discussion will reflect on experiences of other countries.

FSSO 122. China in Modernization. 4 Units.
This four-credit-hour course provides an introduction to various dimensions of modernization in contemporary China, especially cultural and social changes such as consumption, education, migration, and tourism as a result of economic reforms, trade expansion, foreign investments and technology transfer, especially the development of information technology. The seminar will also assess the impacts of these changes on various aspects of globalization and vice versa. It will be characterized by intense yet open-ended intellectual inquiry, guided by reading relevant material, and will include practice in written and oral communication in discussion forums and small groups. The goals are to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information on literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience at CWRU.

FSSO 123. Ten Developments That Are Shaking The World. 4 Units.
This seminar is an introduction to some of the most important global developments of our times. We will examine these events through political, historical, economic, cultural, sociological, scientific and ethical lenses. Readings will come from a wide-range of sources, and assignments will include exercises in written and oral communication. The professor will choose the first three global developments to be investigated as well as the relevant readings. His topics will most likely be the proliferation of nuclear weapons, the rise of China as a great power and the fiftieth anniversary of the European Union. Each of the remaining seven will be chosen by small groups of students, who will assign the readings and run the sessions for their respective topic. Possible topics include the global food crisis, genocide and the failure of the world community to stop it, global warming and the growing gap between the world's rich and poor.

FSSO 126. Religion and the Ethics of War. 4 Units.
Although war is a highly rational, organized and purposeful affair, it also is the most destructive and bloody of human activities. For this reason, war and warfare has always been subject to various religious and moral restrictions. As technology has developed, the conduct of war has changed and the definitions of just and unjust war, as well as what it means to fight justly, have undergone profound changes. This course looks at war and warfare from a variety of angles and examines how various religious and moral thinkers have tried to define just war, and create guidelines for fighting a war justly. At the end of the semester, the course looks at the moral challenges presented by new technologies and new concepts of war.

FSSO 128. Movers and Shakers: Leadership. 4 Units.
"Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that ever has" (Margaret Mead, 1901-1978). This seminar is about understanding what enables people to make a generative impact on the world. Students will explore the socio-emotional and motivational characteristics of effective leaders and their ability to create positive change. Students will also be encouraged to develop their own theories of leadership and to explore their personal approaches to making a difference. The seminar will profile leaders from different occupations and walks of life. Seminar sessions will feature assigned readings on leaders and change agents, class discussion on what drives movers and shakers, and individual and group presentations on class members' emergent leadership perspectives. A key objective of the seminar is the development of critical thinking skills, writing skills, and verbal skills. Consequently, the weekly class readings, reflection papers on class readings, class discussions, class presentations (individual and group), and final project are vital features of the seminar experience. Students will be expected to leave the seminar with a grounded perspective on leaders and leadership, and the ability to articulate their own personal views on making a difference in the world.

FSSO 129. Perspectives on Inequality. 4 Units.
We live in a world in which millions of people die every year in developing countries due to poverty-related conditions. Within the United States, where most commentators characterize the population as “middle class,” at least 35 million people live in poverty. This course examines social inequality from multiple perspectives. We will discuss the concepts of poverty, discrimination, and social change on a global and national level. The first third of the course assesses several economic, cultural, and environmental theories of inequality. We will then survey a wide range of scholarship that has addressed various types of social inequalities from diverse viewpoints.
FSSO 131. Social, Political, Economic Environment of Cleveland Northeast Ohio Region. 4 Units.
This First Seminar will focus on the socio/political/economic environment of the Cleveland/ Northeast Ohio Region. Students will be encouraged to explore the agents that create change in our region; major employers and start-up innovative businesses, politicians, philanthropic funds and grassroots activists. Our analysis will also include the topic of growth. Definitions of it, creation of it, measurement of it, equity of it and sustainability of it.

FSSO 132. Legal Lessons in Poems and Plays. 4 Units.
This First Seminar will focus on law-related practical and philosophical lessons learned through poems and plays. At its core is the belief that by studying law in literature, students can become better thinkers and writers, readers and speakers, as well as better participants in civic affairs. This seminar will broaden and deepen students’ understanding of the presence of literature and human nature in law and society.

FSSO 140. Working-Class Literature. 4 Units.
In her volume, Silences (1978), writer Tillie Olson refers to the relationship between social class and literature as "the great unexamined." This statement still largely rings true, despite the continued production of novels, films, and poems depicting the working-class, and despite the unprecedented growth in recent years of America's working class. In this course, we will examine the relationship between social class and literature, reading narratives written by and about laborers in the hopes of understanding the complexities of working-class life in America, including the intricate ways in which economic status mediates one's sense of identity. Beginning our study with mid-to-late nineteenth-century works, we will consider ideas about economics, race, and gender that have shaped and that continue to influence the depiction of the working-class. Throughout the course, we will pair literary and historical readings with pop-cultural materials, viewing films, listening to music, and analyzing visual arts both in class and on visits to Cleveland cultural institutions such as the Western Reserve Historical Society and the Maltz Museum of Jewish History.

FSSO 143. Living With and Making Decisions Concerning Injustice. 4 Units.
Injustice. What do you think of when you hear that word? There are all types of injustice in this world, and chances are that during our lifetime we will either find ourselves in a position or system of power, perpetrating injustice on others; or in a position or system of supposed impotence, a subject of injustice. What are our choices? How will we respond? In this course we will examine the topic of living with and making decisions concerning injustice using, as an example, the specific injustice of slavery, examining the lives and decisions of both a famous slaveholder and two not-so-famous slaves; and learning from their lives and decisions how we might, ourselves, live with and make decisions concerning injustices we face in our lives.

FSSO 145. Berlin in History, History in Berlin. 4 Units.
From its emergence as a fishing village in the sandy marshes of the eastern frontier of Germany, to its 21st-century role as a cosmopolitan metropolis, Berlin has embodied the arc of change over time in human society. This course uses the history of the city of Berlin as the lens through which to contemplate the complexity of human social and cultural arrangements, their expression in economics and politics (including war), and the imbrication of human cultural and social constructions with the "natural" world. We will read books and articles about the history, culture, economy, and politics of Berlin, primarily from its establishment as the capital of new German Empire in 1871 to the present. We will view films that introduce us to the manic energy that Berlin represented in the transition to modernity. We will visit local museums that house examples of the material culture of Berlin, from the Cleveland Museum of Art to the Rock and Roll Hall of Fame and Museum. We will listen to the music of Berlin, from the baroque of the Brandenburg Concertos to the heavy metal of the Skorpions. And we will learn its history, from fishing village, to court city, to imperial metropolis and industrial engine, to divided symbol of the Cold War, to de-industrialized center of art, government, education, and incubator of high-technology. This First Seminar will prepare students to pursue their undergraduate degrees grounded in thinking about places in time, about change over time, and about human creativity, while preparing them to write and speak about their arguments with clarity and grace.

FSSY Courses

FSSY 106. Trauma and Memory: Modes of Remembrance and Representation. 4 Units.
The twentieth century has often been referred to as a traumatic century, characterized by unprecedented and unimaginable acts of violence. Traumatic events have engrained themselves into both individual and collective memory structures. Not surprisingly, trauma studies have become a central topic of investigation across disciplinary lines. Yet much of the field is still negotitated. We will try to recreate this ongoing discussion in our classroom, when learning, talking, and writing about trauma and its remembrance. The goal of this writing-intense seminar is to give insight into the topic as well as introduce students to academic research, life, and expression. At first we will familiarize ourselves and take part in some fundamental debates: the distinction of memory and history, false memories, individual and collective memories, as well as the definitions of trauma across the disciplines. We will then have a closer look at the difficulty faced by researchers who grapple with trauma and its remembrance. In a final segment we will analyze representations of traumatic memories in public spaces, literature, and the visual arts.

FSSY 108. First Seminar: The Language of Sport. 4 Units.
This seminar explores, through the medium of sport literature, significant periods of life: maturing, playing, living, loving, aging, and dying. Through the genre of sport literature, the course explores sport as metaphor, fantasy, and myth in context (1) time and death, (2) religion and philosophy, and (3) the human condition. Literal, symbolic, euphonic, mythical and figurative interpretations of poetic sport in literature and the plot, point of view, characterization, symbolism, and emotion consideration when reading sport fiction serve as the framework for discussion concerning self, the meaning of sport and life, and the interaction of sport, culture, and self.
FSSY 110. The Greek Hero Since Antiquity. 4 Units.
The Greek Hero and Heroic Culture since Antiquity: the Classical Tradition in Literature and the Arts is the specific topic of this seminar. The influence of ancient Greece on subsequent Western civilization has been profound. This course focuses on the impact of Greek mythology on the literature and arts of five later periods: the Middle Ages, the Renaissance, the Baroque, the Revolutionary Age (1750-1848), and the Modern period. While there are many aspects of Greek mythology that we might investigate, the story of the Trojan War will serve as a central, unifying myth for exploration. The concept of the hero evolved considerably between the time of Homer and the time of Euripides; yet, the Homeric heroes continued to appear in literature and the arts from ancient times onward. How has the concept of the hero inherited from Homer changed in literature and art since antiquity? Does the word "hero" still have value? Are there relevant and meaningful applications of this very specific Greek word outside literature and art in our time? These are just some of the questions we shall consider in our study of the Greek Hero and Heroic Culture since Antiquity in literature and the arts.

FSSY 112. Shakespeare - Still a Hit. 4 Units.
What is the enduring appeal of the works of William Shakespeare? Not only are the plays themselves popular today; there are also many film versions and adaptations, some recent and some dating back to the early days of cinema. In this First Seminar, students will read approximately six Shakespeare plays, including at least one history, comedy, and tragedy. In addition, they will view at least one film version or adaptation of each play. With the help of Kelvin Smith Library, the films will be made available on streaming video with password-protected access, enabling students to view them when convenient and as often as necessary. Since this class (like all First Seminars) is writing-intensive, students will complete four formal essays as well as frequent in-class writing activities. There will also be in-class readings from the plays, discussions of the various film adaptations, and one or two short oral presentations or activities.

FSSY 113. Movies and Meaning. 4 Units.
This course explores methods for interpreting films. To interpret a film is a more aggressive and creative activity than is simply viewing one. How do critics and researchers of cinema "make meaning"? What strategies do they use? How does one mount a film interpretation that is both novel and persuasive? The course will emphasize close reading of films as, each week, we screen a film and together discuss what meanings we can infer from it. Also each week, we'll read an essay that offers an interpretation of the film. We'll analyze the reading in light of our sense of the film under consideration. Students will write short essays, approximately one every two weeks, in which they analyze the rhetorical and interpretive strategies of a given film analysis. Students will share their essays with the class, and these readings will serve as bases for class discussions. Final writing projects will consist of student interpretations of a film. At least twice during the semester, the class will, in substitution for the weekly required evening screening, attend a film off campus—either at the Cleveland Cinematheque or at the Cleveland Museum of Art. The course emphasizes writing instruction and discussion in a seminar format. There will be required evening screenings each week.

FSSY 119. Art, Music and The Museum. 4 Units.
This four credit-hour course provides an introduction to art, music, and the museum, particularly the intersections between and among these three subject areas. Formal training in these disciplines is not required. The course will be characterized by intense yet open-ended intellectual inquiry and guided by readings and the experience of artworks from a wide range of styles and cultures. A strong emphasis will be placed on academic writing. The goals are to enhance basic intellectual skills including critical reading, thoughtful analysis, and written and oral communication (including PowerPoint presentation); to introduce basic information literacy skills; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive intellectual experience for first-year students at Case.

FSSY 126. Fly Fishing: The Sport, the Metaphysics, and the Literature. 4 Units.
The seminar will explore the sport of fly-fishing—and an individual's relationship to the natural world surrounding them—as presented in both fiction and non-fiction. Selected texts will provide the impetus to posing such questions as: What is the fundamental nature of sport, how does it vary from other forms of recreation, and can a sport be considered an art? What prompts the various authors to often imbue the fly-fishing with metaphysical, spiritual, or aesthetic dimensions? How does the intent and style of this genre of writing differ from those of traditional academic research? How might these elements of craft be applied and integrated into an effective academic writing style? In addition to considering the stylistic and philosophical approaches to the topic, seminar participants will also engage in several experiential learning sessions involving certain skill aspects of fly casting and tying, and consider those experiences both in discussion and written assignments.

FSSY 127. The Music of New Orleans. 4 Units.
This course focuses on the musical landscape of New Orleans from the late 18th century to the present. We will look at the diverse musics of the city, including opera and orchestral music, slave song, Gospel, solo piano, ragtime, jazz, rhythm and blues, rock and roll, and Cajun and zydeco. Through the course, students will develop a better understanding of music and music history and a deeper knowledge about the history of New Orleans. The course spends considerable time on communication: public speaking, discussion, and writing. Fourth Hour trips will include visits to the Rock and Roll Hall of Fame and the Western Reserve Historical Society.

FSSY 131. Death and Representation. 4 Units.
This four credit-hour course will explore the ways death has been represented in visual culture, from ancient times to the contemporary epoch. Can death, something abstract and never directly experienced, ever be represented? Throughout the ages, how have artists, patrons, and viewers influenced the imagery of death, and how, in turn, have they been influenced by it? The course includes multiple visits to the Cleveland Museum of Art, the Natural History Museum, and the Museum of Contemporary Art.
FSSY 137. Cultural Representations: Ideologies, Images, and the World. 4 Units.
Narrative forms, such as myths, folktales, novels, films, and the media make significant contributions to the varied ways that people understand and imagine the spatial structures of the world. Specifically, this course will help you a) to develop an understanding of how narratives and the media have an impact on the ways we come to terms with geopolitical regions and how geopolitical regions are invented and imagined; b) to point out and address geopolitical assumptions, over-generalizations and to engage concepts such as the ‘East’ and ‘West,’ etc. critically; c) to analyze travel narratives, films, and current media representations of certain areas of the world and situate your observations into a wider set of theoretical problems; and d) to develop a set of reading skills that will help you to decipher texts (both primary and secondary) so that you can formulate productive questions and articulate your intellectual discoveries in a compelling way.

FSSY 141. "Renaissance" Men and Women: Polymaths from Late Antiquity to Leonardo Da Vinci. 4 Units.
The term “Renaissance man” is often used to refer to a polymath, someone whose expertise spans numerous and diverse subject areas. Leonardo da Vinci (1452-1519), perhaps the most famous polymath of all, was an artist, scientist, engineer, musician, and indeed a man who lived during the Renaissance. Yet already in late antiquity and the Middle Ages many of the great thinkers were polymaths, and they were not all men. This course examines the intellectual contributions of Leonardo da Vinci and two earlier polymaths: Saint Augustine (390-430CE), a north African bishop, philosopher, and theologian who became a Doctor of the Church; and Hildegard of Bingen (1098-1179), a German nun who was a composer, philosopher, herbalist, and mystic visionary. Through discussion of writings by these three figures and of secondary literature about them, the course explores their intellectual diversity and the cultural forces that shaped them. It also examines what it meant to be a polymath at various points in history, why polymaths have become associated with the Renaissance and with men specifically, and why there are relatively few polymaths today.

UCAP Courses

UCAP 390. Conservation of National Parks and Protected Areas: A Service Learning Capstone. 3 Units.
This capstone course explores environmental conservation with a focus on protected natural areas and community engagement. Limited to a small group that meets in weekly seminar, the course investigates the often competing interests of ecosystem protection, private development, historic preservation, and public use. A vital part of the capstone is a service learning trip during break when students travel to a National Park or other protected area to contribute to conservation efforts and to gain hands-on experience with environmental management activities. Each student chooses an issue relevant to protected areas to investigate throughout the semester and writes a significant paper about that issue, utilizing the service learning trip experience to deepen their understanding and analysis of the issue. At the end of the semester, each student makes a public presentation of his/her work. Counts as SAGES Senior Capstone. Prereq: Passing letter grade in a 100 level first year seminar in USFS, FSNA, FSCC, FSSO, FSSY or FSCS

UCAP 395. SAGES Capstone Experience. 1 - 6 Unit.
UCAP 395 affords students the opportunity to pursue a capstone experience outside the constraints of SAGES capstone courses offered by individual academic departments. Students must identify a project, a mentor and an oversight committee. If the mentor is not a Case faculty member, then the student must also identify a faculty advisor who does hold such an appointment and who will serve as the instructor of record. A capstone experience can take various forms but must include certain elements: critical thinking, regular oversight by the project advisor(s), periodic written and oral reporting of progress, a final written report which describes the project activity (which may be a performance, experiment, student teaching, live case analysis, creative writing endeavor, etc.), and a final public presentation. More details about course policies, including procedures for registering, are available via the SAGES office and web site. UCAP 395 may be taken as a one-semester or a two-semester course for 1-6 credits in any given semester and 3-6 credits total. Permit from Director of SAGES required. Counts as SAGES Senior Capstone.

UCAP 395A. Engage Cleveland Capstone Experience. 3 Units.
This community-based capstone provides a unique opportunity for students to learn about and become involved in community issues in greater Cleveland. Limited to a small group of students, the capstone weaves together hands-on experience and academic inquiry through which students learn about urban issues, community engagement, and about themselves as leaders and advocates for social change. The capstone has two parts - a summer community-based experience (non-credit) followed by a fall semester academic capstone course (3-credit), which utilizes and builds upon the summer experience. Counts as SAGES Senior Capstone.

USNA Courses

USNA 204. The Evolution of Scientific Ideas. 3 Units.
Scientific understanding has evolved over the years. There are very few beliefs about the natural world that have remained intact over the past few centuries, or even the past few decades. The chief goal of the course will be to give students an understanding of how scientific ideas change and how newer ideas supersede the old. Questions to be investigated include: What is Science? How do disciplinary scientific communities (physicists, chemists, biologists, etc.) form and identify themselves? How does the community of scientists within a discipline come to a consensus that it is time to adopt a new paradigm: What scientific, social, political, and cultural factors come into play during the periods of transition? The course will be in seminar format. The students will be given opportunities to explicitly develop critical thinking skills (the specific skills to be developed will be selected by the class from an explicit list) and writing and speaking skills. Class meetings will be used to share their research results and to study the assigned texts and papers. The students will be required to demonstrate their understanding in a variety of ways. Prereq: Passing letter grade in a first year seminar in FSCC, FSNO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 206. Land and Life in the Americas. 3 Units.
This course investigates the physical processes that shape the Earth's environments and how these environments have influenced, and been influenced by, human history. A principle focus will be the evolution of the Americas since the end of the last ice age. We will apply what we learn to the history of cultural development and to debate environmental issues facing us today. This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSNO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 211. Einstein, Space and Time. 3 Units.
This course will explore the profound changes in our conception of space and time brought about by Einstein’s theories of special and general relativity. As a University Seminar, it will also integrate writing and discussion about these topics into the class and explore the philosophical and technological context in which the ideas were developed. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 216. Fuel Cells—Reality, Prospects and Myth. 3 Units.
Fuel cells have been recently identified as a key source for non-polluting, oil-independent energy in the future. In this course, we will study and critically analyze the prospects, barriers, and impact of broad implementation of fuel cells, focusing primarily on the transportation sector. Major topics of the course include: (i) World and U.S. energy outlook; (ii) Potential role and impact of fuel-cells, their advantages, limitations and prospects for improvements; (iii) Alternative fuels—source, availability, distribution and cost; (iv) Potential political, public policy, economic, and environmental impact of large-scale implementation of fuel-cells technology. The course is designed for students from all disciplines. Students will be expected to read assigned texts and articles and critically analyze statements and points of view presented. Quantitative analysis is expected where appropriate. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 220. Suburban Landscapes: Nature, Technology, and Culture. 3 Units.
This course will examine suburban neighborhoods by focusing on the design of technology and nature in these spaces. The way that people understand and operate in the world is so entangled with values and assumptions that the physical shape of the world cannot be separated from human culture. In this sense, suburban landscapes are not simply neighborhoods but also examples of culture. The form of the land and the technologies in the suburbs are continually reshaped to correspond with the cultures of the people occupying those spaces. By studying suburban landscapes we can see how the ideas in people’s heads become part of the physical world in which we live. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 226. Evolution of Human Behavior. 3 Units.
Human behavior is a result of the complex interplay between our genes and the environment, both of which have been shaped by evolutionary forces over millions of years. To what extent does natural selection shape our behavior today? Are humans naturally monogamous? Why do conflicts arise even in our most intimate relationships? Is human behavior ultimately in the service of reproductive success, ensuring that our genes are passed into the next generation? This course reviews the history of evolutionary theories of mind and behavior, as well as current ideas about the ecological and genetic components of behavior. We will examine key principles of neurobiology, sociobiology, and evolutionary psychology to critically evaluate evolutionary interpretations of human behaviors, including those comprising cultural traditions and social institutions. Specific topics to be addressed include human mate choice, parenting strategies, interpersonal conflict, and altruism. The course is structured as a seminar, with emphasis on discussion and formation of logical arguments. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 224. Food, Farming, and Economic Prosperity. 3 Units.
Intended to challenge conventional thinking about “progress”, this course will examine the evolution of food production and consumption in the U.S. over the past 50 years. We will begin with the topic of food, itself. We will explore fundamental questions such as, What is food? Why should we care? Where does food come from? Why does it matter what we eat, and equally important, what we eat eats? Students will explore their own eating habits by keeping a journal of what, when, where, and how they eat. Discussions will focus on the social, cultural, nutritional, and technological aspects of food. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 222. Critical Science Fiction. 3 Units.
The emphasis of this seminar will be on developing skills of critical analysis of science fiction. A goal of the course is that the students will be able to distinguish plausible from impossible when they read their next science fiction book or watch a sci-fi movie. Upon completion of the course, the students should be well equipped to recognize scientifically unrealistic assumptions and statements in pseudoscientific books, movies, TV programs and other mass media sources. The course will be sufficiently flexible to allow coverage of topics that are proposed by, and interesting to, students, or the topics which would arise during discussions. The course will encourage open-minded approach to understanding controversial areas, as well as emphasize the great achievements that humankind made in the short historical period of our civilization. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 231. Cholesterol: The Good, the Bad, and the Money. 3 Units.
Cholesterol molecules are essential building blocks of human cells and are required for biosynthesis of some hormones. The word "cholesterol" has, however, become notorious as several diseases are linked to improper bio-processing of the molecule. Indeed, all middle-aged people are encouraged to have their cholesterol checked and monitored as needed. This course will educate students with respect to the role of cholesterol in human health and in specific disease states. Students will learn the difference between "good" and "bad" cholesterol, and the rationale for these labels. Additional topics include dietary contributions to cholesterol, cholesterol lowering drugs, the continuing evolution of what is considered to be a healthy blood cholesterol level and the factors driving this changing scale. Reading assignments will range from News Paper articles to scientific publications. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 235. Exploring a Sense of Place. 3 Units.
Having a sense of place, or a rooted understanding of where we live, shapes our identity, actions, and commitment to community. In this course, we will go beyond the "campus bubble" to explore the concept and development of a sense of place by studying and photographing the Doan Brook, our local watershed. Course readings, writing, and discussion will focus on Doan Brook's natural history, local environmental issues, and sustainability. We will utilize photography as a primary tool for investigating and connecting to place as we undertake a photography project documenting the Doan Brook, which will be shared with the community. We will also consider our responsibility to place and learn about community-based initiatives in which people have committed to place and taken action to make a difference. Throughout the course, we will develop a stronger understanding of Case's ecological address and the intersection of sense of place, environmental issues, and engagement with the watershed. We will explore firsthand where we are--and why it matters. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 236. Upheavals in Astronomy. 3 Units.
Why the uproar over the invention of the telescope? How does the scientific method really work to advance knowledge? What do astronomers fear is the fate of the universe? This seminar begins with an introduction to the scientific instruments that brought about revolutionary changes in our understanding of the cosmos. Students will acquire historical and practical knowledge of such instruments in part through hands-on acquaintance with telescopes and other devices in the collection of the Cleveland Museum of Natural History. Students will also examine the historical context in which advances in astronomy were made, the divergent ways in which thinkers such as Galileo and Kepler responded to official disapproval of their ideas, and the consequences of humanity's displacement when the model of a geocentric universe gave way to the current model of an expanding universe. The seminar will include assignments in expository and persuasive writing, with an emphasis on improving and revising one's work and developing a well-researched final paper. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 237. Landscape History and Conservation. 3 Units.
Human history is intimately intertwined with the natural landscape on which it occurred. From coastal preserves and their beach communities to Midwestern farmland and the preserved site of Thoreau's Walden Pond cabin, and at places like the Grand Canyon, the American landscape itself holds many clues to our country's natural, ecological, and cultural history. This course will investigate the lived landscape in two ways (which have a multitude of shades to them): as a place where humans shape the natural for their own memorial, productive, and aesthetic uses, or as a natural place that humans set aside or conserve. We will read landscape history and conservation theory, and we will consider global practices of conservation through UNESCO's World Heritage Sites. Class work will entail a project-oriented project on the Cleveland landscape, which students are encouraged to explore through the lens of their major. We will visit the Wade Oval and the cultural gardens of Rockefeller Park as an example of current conservation practices working to protect the natural and cultural value of the local landscape. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 238. The Role of Materials Science in Emerging Technologies. 3 Units.
The development of engineering applications is, and has historically been, closely related to the development of new engineering materials. In fact, specific civilizations and time periods in the past are classified by the materials used for engineering applications, e.g., the Bronze Age. This university seminar will examine the role of materials developments in the past, as well as explore the needs and impact of new materials in emerging technologies; areas of focus will be (i) Power generation, transmission and storage, (ii) Electronic devices and electronic applications, and (iii) Biomedical engineering and medical imaging applications. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 240. Technologies of the City. 3 Units.
Based on the premise that cities are never "finished," and constantly being remade, the University Seminar, Technologies of the City, will look at the technological and cultural history of cities from the ancient world to the present day. Students will explore the history of building materials--wood, brick, steel, concrete, and glass--used in the construction of cities. We will also trace the development of city infrastructure such as electricity, water and sewage systems, streets, bridges, and subways. Technological innovations, such as the automobile, will receive special consideration. We will move most geographically and temporally to visit the world's great cities, studying examples of significant building projects, such as the Brooklyn Bridge, the Chicago World's Fair, and Cleveland's first skyscraper, the Rockefeller Building. The course will cover the history of the professions--engineering, architecture, and urban planning--that have contributed to the construction of cities, and will review the works of these practitioners, as well as that of artists, reformers, and utopians that have imagined new directions for the city. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 241. Urban Transportation. 3 Units.
The course is intended to examine the variety of issues associated with urban transportation. To provide focus the Cleveland metropolitan area will be used as the example urban environment. The issues that will be addressed include the perceived transportation needs, the mutual influences of perceived needs and the transportation system, the effect on business, residence, recreation and entertainment, the variety of approaches that have been used or suggested in the United States and abroad and the approaches that might be used, the resources needed, and the time needed to make changes. It is expected that the students will further develop the issues that should be addressed, do the necessary study of available information, discuss the issues, and finally report on their findings, conclusions and possibly recommendations. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 242. CWRU's Carbon Footprint. 3 Units.
CWRU has conducted dozens of energy efficiency projects addressing sustainability, energy, and climate issues. All of which aims at reducing the University’s environmental footprint. A core component of CWRU's first carbon footprint inventory, is engaging in strategies for reducing greenhouse gas emissions. Using the campus as a living laboratory, participants will complete CWRU’s first carbon footprint inventory, and will collectively write the University’s first Climate Action Plan. Students will become familiar with general climate issues and will conduct an institutional greenhouse gas inventory using data on CWRU's energy consumption and other pertinent institutional practices. Complementing the practical aspects of the course, we will also explore organizational and economic opportunities in sustainability, energy, policy, and processes of organizational change for sustainability. Many examples from other campuses will be used in addition to expert guest speakers. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 245. The Impact of Technology on Society. 3 Units.
There is commonly a lack of understanding and appreciation of how the spread of advanced technologies (the artifacts of engineering) has lead to economic, social, and political changes on a global scale. As a result, young people do not think that careers in science and engineering are rewarding and useful or do they think of technology as one of the most powerful forces for social change. Furthermore, in a world where advanced knowledge is widespread and low-cost labor is readily available, U.S. advantages in the marketplace and in science and engineering have begun to erode. We want to be able to compete in the world. Economic growth is driven by technological innovation. Societies that foster it lead the pack, while others lag behind. An enlightened citizenry is essential both to support and to engage in new developments in science and engineering. Insights will be given on how engineering innovations develop and have changed the world, both good and bad and, hopefully, it will be clear that engineering is essential to meet many of the major global challenges of the future. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 247. Epidemics in Human History. 3 Units.
This course will examine the role of epidemics (of all types) in human history. Disease has shaped our society in many ways and continues to do so. Despite the plethora of antibiotic and antiviral drugs since 1940, 90% of the decrease in (First World) infectious disease is due to simple public health measures and better hygiene. But overuse of antibiotics increasingly is causing the rapid evolution of "superbugs" that threaten new plagues and epidemics. Both historical and modern epidemics of plague, smallpox, Salmonella, cholera, tuberculosis, and HIV/AIDS will be examined. The interaction of these epidemics with societies and how the epidemics influence society, cultures, art, and literature will be major topics of discussion. The course is primarily discussion with short student presentations. In addition, 3-4 short "Front Lines" talks by and discussion with CWRU and University Hospital clinicians will explore today's realities of epidemics, infection, and antibiotic resistance in the United States, Uganda, South Africa and elsewhere. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 252. The Future of Food. 3 Units.
Since World War II, science and technology have transformed the way Americans produce and consume food. This transformation has been supported by government policies and accomplished through the application of industrial methods in agriculture, food processing, and food delivery. Such methods have allowed a tiny fraction of the American population to produce vast quantities of food products at very low prices for American consumers. But this American diet, while inexpensive, has turned out to be high in sugar, fat, and processed grains that are contributing to chronic disease such as diabetes and obesity. In addition, environmental impacts of confined animal feeding operations, vast monoculture grain production, and global food transport are raising questions about the sustainability of American agribusiness. This seminar will explore the evolution of food production in the United States since World War II and will ask the question: is it possible to nourish the world's population using nutrition and flavor as guiding principles rather than cost? What is the true meaning of "sustainability" in agriculture? The last third of the course will be devoted to creating a plan for using part of the University Farm to grow food for the University. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 258. Designing Urban Green Space. 3 Units.
In this course, we will investigate the history, theory and practical design of green space in cities. We will focus on types of green space and their community function, relationship to commerce, aesthetics, recreation, ecology, and health in particular. Students will engage in group projects where they locate all underused space in Cleveland (vacant space, gray or brown fields) and will propose a new use for it as green space of some kind. Individual research projects will be related to that site. Lively class discussion and frequent reading responses required. Mandatory field trip to sites in downtown Cleveland. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 259. Bring Out Your Dead. 3 Units.
This course examines the interplay between history and plague outbreaks. Course readings draw largely on the writings and experiences of scientists, physicians, and public health officials. By taking a historical approach to the study of the relationship between human history and the history of disease, students will learn about the development of the scientific method (namely the slow process by which humans learned to identify, categorize, and respond to disease), how science develops in specific historic contexts, the consequence of scientific inquiry, and what humans do when they are faced with imminent death. A tentative list of plagues includes: the Athenian Plague, Black Death, Yellow Fever, TB, Malaria, Influenza in 1918, and AIDS. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 260. Life in the Past. 3 Units.
This course will focus on how we learn, discover, and make conclusions about life in the deep past. What types of life were present? And how can we understand their extinction? A principal focus will be how extinctions in North and South America have affected both the land and its animals and, consequently, the course of human development. We will look at megafauna from the local area in conjunction with the "Extreme Mammals" exhibit at the Cleveland Museum of Natural History, read about the fossil boom, study the Dodo, and look at scientific ways in which animals are currently being completely re-imagined via technology (computer bone/muscle articulation, eating habits, climate models, etc.). We will also look at the cultural ways in which we view these "dinosaurs" (movies, children's books, museum exhibits) and see if it helps or hurts our scientific and historical understanding of them. At heart, our main question will be: can you really understand a time, space and creature that has been extinct for millions of years? How? Why? And why do these "monsters" hold such fascination for us? Does their disappearance bode well of the human race? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 265. Thinking National Parks. 3 Units.
This seminar provides students an opportunity to explore U.S. national parks and their history of displaying both nature and culture. This discussion-based, writing- and research-focused class requires students to examine a park system that is both extraordinarily popular and rife with controversy. We begin with several recurring questions: Where did the national parks idea come from? How has the park mission evolved and adapted? Can parks be "read" as texts, and if so, how does our point of view determine what we see? How do parks arrange displays of cultural and natural worlds, and how do they display interactions therein? How can changing park philosophies be reflected in their physical apparatus and infrastructure? Students will participate in regular class discussions, occasionally lead these same discussions, complete formal writing assignments, and develop a final research project. The course readings will alternate between historical and present-day selections, so that we explore the history of U.S. national parks while simultaneously considering challenges and controversies that matter very much today. Early readings will include John Muir and Gifford Pinchot; current trends will be explored in the writings of William Cronon, Alfred Runte, and Jennifer Price, among many others. We will view significant portions of Ken Burns’ recent PBS series The National Parks: America’s Best Idea. The ultimate "text" for the class, however, is an actual national park. Each student will choose a national park as the basis for their semester-long project. Students will begin with description and history of their park, and then they will explore controversies or other issues in the park, developing their own argument. Next, students will have a chance to play architect/landscaper/park-superintendent, as they propose a change to the park that would address an existing problem or enhance the visitors’ experience. Finally, students will gather these pieces into a single coherent project, submitting a 10-15 page final essay as well as producing an engaging class presentation. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 266. Life After the Death of Print. 3 Units.
Around 1439, Johannes Gutenberg invented the moveable type printing press, a technological development that altered the world by ushering in an era of mass, reproducible communication. For nearly 500 years, print technologies have dominated communications. Scholars have shown that print’s ability to disseminate information led to revolutions in art, science and politics. In short, print technologies have largely defined what it means to be a thinking and communicating human being. The emergence of digital technologies has altered communications in ways that are only now being understood. This course examines how developments in digital technologies impact communication practices by threatening print’s historic stronghold. Consequently, the course also explores what impact new technologies have on human identity.

We will consider the historical development of display technologies (printed materials and digital screens) to understand what is at stake in the move from print to digital communication. We will then investigate current phenomena associated with Web 2.0, including blogs and social networks, in order to understand how our communication choices construct and allow for our public and private identities. Additionally, the course will examine new display technologies, such as iPhones and Kindles, that allow for the possibly constant dissemination of those identities. Finally, we will hypothesize about how digital technologies force us to conceive of human identity differently from the ways that print invites. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 270. Alternative Energy Sources. 3 Units.
Alternative energy sources are needed, because of limited fossil fuel resources, increased demand, and environmental impacts. This course will deal with the issues of alternative energy sources. Various sources such as solar (thermal and photovoltaic), hydroelectric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass will be discussed in order to determine what is practical on a large scale, as well as on the scale of the individual homeowner. We will pay attention to the efficiency of each alternative energy source as well as what limitations exist in terms of extracting useable energy. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 271. Gene, Environment and Behavior. 3 Units.
The goal of this course is to encourage students to be well informed and critical consumers of the media reports about the influence of genes and environment on human behavior. This course involves the book by Matt Ridley titled, "Genome: The autobiography of a species in 23 chapters." Ridley has a Ph.D. in zoology, worked as a journalist, science editor, and national newspaper columnist. The book devotes a chapter to each pair of human chromosomes. Each chapter focuses on the role of a gene. Ridley's book was published in 1999; therefore, students will conduct their own research to update each of the chapters in Ridley's book. The first few weeks of class will be used to provide a background on genetics research through field trips and guest lectures from CWRU genetic researchers. We will have several writing workshops spread throughout the semester to offer "Just in Time" tips needed to write critical evaluations and literature reviews. Each student will present twice during the semester. The first oral presentation will revolve around a summary, critical evaluation, and an update of the human trait presented in the Ridley book on their assigned chromosome. The presentation will be about 15 minutes with 5 minutes left for questions. Students not presenting will be assigned one of the three chromosomes (chapters) covered that day and they will each write a seminar question to pose to the class. In addition, each student will also serve as a reviewer for one of the presentations to provide constructive feedback to the presenter. The second presentation will consist of new material found by each student about genes on their chromosome. They must find another trait on their chromosome and present the most current information available on that trait. In place of a final exam, each student will turn in a research paper on their assigned chromosome. We will build these papers throughout the semester with a series of graded "checkpoint" assignments. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 272. The Thames Watershed. 3 Units.
In this seminar, we will investigate the London, England-area Thames watershed and its associated concerns, like urban development, watershed management, aquatic species conservation, and habitat engineering and restoration. A critical part of this seminar will be a spring break field trip to London. On the field trip, we will focus on London's rivers and their history and ecology. We will study the Lea River Valley (where the 2012 summer Olympic Village is located), the Fleet River and various water-related constructions, such as Docklands, Regent's Canal, and the Wildfowl and Wetlands Nature Reserve, each from historical and ecological standpoints. Emphasis will be on how humans have treated the watershed historically, from using the rivers as sewers and transportation links, to restoring their ecosystems, as is the current case in the Lea River Valley. Course readings will be a mix of cultural history, London newspapers archives, and scientific studies on riparian corridor management. Students will keep field journals in London and will write an experiential learning essay about how the field trip intersected with the readings we've discussed in the seminar. They will also write a 10-12 page research paper on one of the ecological issues witnessed in London and its significance. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 283. Cultures of Science. 3 Units.
From the laboratory to the museum, science is a dominant way in which we make sense of the world. This seminar examines the cultures of science. Drawing on the fields of anthropology, sociology, history, and science and technology studies, we explore the interplay, exchange, and fertile ground between "culture" and "science." We analyze the cultural practices of scientists, the relationship between scientific and indigenous ways of knowing, and ethics of scientific knowledge, as well as scientifically mediated understandings of personhood, nation, legality, and truth. We will consider case studies from the U.S., Latin America, Europe, Africa, and Asia that reflect on contemporary intellectual debates and public concerns. The course considers the following questions: Is science cultural? What does objectivity mean? How are scientific facts produced? Do our understandings of citizenship and the nation have any connection to science? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 285. The Science of Madness: An Historical Investigation of Mental Illness. 3 Units.
Since antiquity the western world’s understanding of mental illness has continued to evolve. This course will examine the trajectory of that evolution, looking at the medical theories that have influenced assumptions about the causes and treatments of mental illness from the early modern era through the twenty-first century. Examples of questions we will investigate include: How we have defined the normal and the pathological in human mental behavior over time? How do we explain the centuries-old correlation that medicine has made between creativity and mental illness? Which past and present psychiatric treatments have been beneficial and which harmful? How did Darwin’s theory of evolution affect theories of mental illness (and how does it continue to do so with the advent of evolutionary psychology)? How have changing philosophies of science affected the research and practice of psychology? How and why do the sciences of the mind—psychiatry, psychoanalysis, clinical psychology, psychopharmacology, the cognitive neurosciences—claim so much scientific authority and exert influence over our lives today? As a frame work for this inquiry, the class will use the concept of paradigm shifts as Thomas Kuhn defines in his classic work, the Structure of Scientific Revolutions. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 286. Science and the Paranormal. 3 Units.
From paranormal television programs to the academic study of parapsychology, claims about the “science” of the paranormal abound. This seminar examines the ways in which people have attempted to scientifically explore questions of life after death, the soul, and anomalous phenomena such as ghosts, telepathy, and ESP. The seminar begins by exploring the emergence of psychical research and parapsychology in the late nineteenth century. We then critically analyze a variety of purportedly scientific approaches to the paranormal and analyze their understandings of nature and science. By exploring the claims of paranormal researchers, parapsychologists, and fringe scientists, we will analyze the constitution of science and its demarcation from pseudoscience. We consider a variety of methodological and heuristic tools to distinguish science from non-science such as falsifiability and Occam’s razor and apply them to paranormal claims. We also analyze the criticisms leveled at paranormal research. We ask the following questions. What is science? What distinguishes it from “pseudoscience” or non-science? What is skepticism? Can there be a science of the paranormal? What understanding of the natural world is the paranormal grounded on? What is the relationship among science, religion, and belief? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287A. Perspectives on the Cosmos: From the Ancient Philosophers to Modern Science. 3 Units.
For all of recorded history, and presumably well before that, people have asked the Big Questions: What is the nature of the Universe? How big is it? How old? What is our place in it? For just as long, we’ve been making up the answers. Cosmology is the subject that seeks to answer the big questions. As such, it is the nexus where science, philosophy, and religion collide. This course will explore the subject of cosmology, from both an historical and scientific perspective. In the process, we will examine the roles of faith, philosophy, and empirical knowledge. We will survey prevailing attitudes towards the nature of the world model over time, examining the impact of belief systems on the interpretation of physical evidence. Subjects to be covered include the first vital steps of the ancient philosophers, the tension between geocentric and heliocentric world models at the time of Copernicus and Galileo, and the modern scientific world view. Students will learn to critically examine evidence and its interpretation, and to appreciate the strengths and shortcomings of various forms of human knowledge. Emphasis will be placed on the importance and limitations of empirical evidence, and the dangers inherent in the interpretation of evidence within a preconceived framework. The student will gain an appreciation for the historical development of world models, culminating with modern cosmology. In the process comes a respect for the diverse paths to knowledge followed by humanity. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287C. Animals and Humans: Making Sense of the Human-Animal Bond. 3 Units.
Humans have an incredibly complex relationship with (non-human) animals. We eat some animals and consider other animals members of our family. We worship some animals and vilify others. This class examines the complexities of our relationship with (non-human) animals. Through exploring human emotional, practical, and epistemological ties with animals, this course examines what it means to be animal as well as what it means to be human. We analyze the following questions. How do we come to know and understand animals? What are the issues surrounding the use of animals in scientific speculation, classification and experimentation, such as vivisection, cloning and the human-animal relationship in technoscience? Do some non-human animals possess material culture, social morality, and emotions such as grief and sadness? Why do animals populate our popular culture and art? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287E. Evolution and the Modern World. 3 Units.
Modern evolutionary theory has influenced all aspects of biology and the clinical sciences. It has, moreover, resulted in novel ways to think about many of the social sciences. This class will focus on how the concept of evolution has dramatically altered the way we view human anatomy, physiology, and behavior. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 287F. Environment and the Fates of Societies: Guns, Germs, and Steel. 3 Units.
This University Seminar deals with the connections between human societies and landscape, climate, pathogens, and plant and animal species. The main method for this exploration is a close reading of Jared Diamond's Guns, Germs, and Steel. Diamond explains that Western Europeans came to occupy and dominate large areas of the globe because of natural resources present in certain regions of the Old World since the end of the last Ice Age. For example, Diamond studies ancient patterns of plant diffusion or the place of mountain ranges and deserts in the development of technologies. Seminar participants will also study historical sources from specific times and places - namely North America from European contact to 1850 - and compare them to Diamond's general environmental explanations and models. Placing Diamond's broad explanations within specific historical contexts is revealing. A range of alternative methods, perspectives, primary sources from North America, and case studies (especially in environmental history) help develop a critical understanding of the complexities of the fates of societies. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO Courses

USSO 201. Society and Technology: How Do They Impact One Another?. 3 Units.
This course focuses on a systematic analysis of the relationships between society, and the specific institutional elements of technology and technological innovation. It describes the social aspects of computers and related technologies and explores the ways in which these technologies influence and impact organizations and individuals. The course explores the design, use and cultural significance of technologies and uses a historical focus to assess the integration of technology into all aspects of our society. The restructuring of traditional human interaction by information technology will provide a contemporary focus for the course. Offered in a seminar format, the course will provide opportunities for scholarly discussion, systematic inquiry and written communication. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 203. Law in Literature. 3 Units.
An interdisciplinary venture. This seminar will focus on law in literature by examining representations of the legal process in poems, plays, short stories, and novels. It will provide a taste of the vastness and variety of human life--and will broaden and deepen students' understanding of the role law plays in society. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 205. The Human Struggle Through the Lens of Sport. 3 Units.
This seminar explores, through the medium of sport literature, the interaction of sport, society, and self. Students will examine the social and psychological effects on participants, consumer, and society of sport through the study of fiction, research studies, essays, and poetry having a sport motif. Topics include racism and sexism (valuing diversity), love (cooperating), death (losing), transformation (aging), and achievement (winning). This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 209. Face First. 3 Units.
Human beings greet the world face first. In fact, the ability to process facial features seems to be innate. A baby easily recognizes its mother's face yet the most powerful computers have difficulty using facial features to identify people. This is because all human faces are similar while fine details make each face unique. This course will begin by studying the human face as an anatomic construction of hard and soft tissue skeletal components. We will discuss how we use anatomic facial features to recognize individuals. One homework exercise will be to construct faces using an FBI identikit. Each student will create an FBI composite sketch of their own face. Seminar time will then be used to view each sketch and try to match the sketch with the seminar participant. Discussion will focus on how facial anatomy is similar or different. Following this introduction, the seminar will shift focus from anatomy to sociology. We will discuss facial attractiveness and beauty. Seminar topics will also include manipulation of facial appearance i.e., cosmetics, body piercing, veils, and plastic surgery. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 220. Science and Society Through Literature. 3 Units.
This course will examine the interaction of scientific investigation and discovery within the context of the society it occurred in. What is the effect of science on society and, as importantly, what is the effect of society on science? An introduction will consider the heliocentric controversy with focus on Galileo. Two broad areas; tuberculosis and the Franklinstein myth, will then be discussed covering the period 1800-present. With tuberculosis, fiction, art and music will be examined to understand the changing views of society towards the disease, how society's perception of tuberculosis victims changed, and how this influenced their treatments and research. With Frankenstein, the original novel in its historical context will be examined. Using fiction and viewing several films, the transformation of the original story into a myth with different connotations and implications will be discussed. Most classes will be extensive discussions coupled with student presentations of assigned materials. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 228. Our Plastic World. 3 Units.
If one were to look around the general store of 1900, few man-made "synthetic" items would be evident. One hundred years later, the shelves of any Walmart would be filled with plastic items, plastic packaging, and clothing produced from synthetic fibers. Questions that might be posed include: 1) How did this change happen? 2) How are the historical events of the 20th century and the development of the U.S. chemicals/plastics industry interconnected? 3) What are the societal benefits and costs of this change? 4) What can we learn from the past 100 years, and how can we use these insights going forward into the coming century? These issues will be discussed at length. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 229. A Study of Power: Criteria Essential to Its Rise and Fall. 3 Units.
This SAGES seminar will coordinate examinations of major historical events and their influence on the future. Particular emphasis will focus on the development and/or demise of powerful countries and people, and political and religious infrastructures. Sample topics include: the rise and fall of the Roman empire, the Barbarian empires, the British empire, the National Socialists, the Soviet empire, etc. Development and practice of religious behavior from praying to pagan Gods and spiritual Gods may also be analyzed. The idea is to demonstrate the similarities and differences in each of these broad categories as they progressed. An examination of the impact of greater world “enlightenment” as civilization expanded over time is also discussed. The evolvement and eventual demise or change and the continuing impact on contemporary civilization shall be explored. Conclusions shall be used to suggest a model for the future. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 231. Evolution as Metaphor and Model: Why Don’t We Live Forever?. 3 Units.
Evolution will be used to examine biological, historical, and social issues associated with health, illness and aging. In this overview course, evolution is a paradigm that is used to understand how systems change over time. The readings and discussions will identify universal processes and patterns in order to understand the effect of disease on history and explain how and why humans remain vulnerable to aging. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 234. Questions of Identity. 3 Units.
Who we are informs the ways in which we act in the world. How we respond to society in the individual, local, and global community is impacted by the way we see ourselves, the way others see us, and the way we see others. Who am I? How do I look at myself in relationship to others? How does the way in which society views me affect the way I think of myself? How have writers, historians, and philosophers dealt with the challenges of self and group identity? We will explore these issues through readings from the Civil Rights Era, the Holocaust, and the period of decolonization in Africa. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 238. The First Amendment. 3 Units.
The First Amendment to the United States Constitution states that “Congress shall make no law ... abridging the freedom of speech.” In this seminar we will explore what this right has meant in America and how it has been limited throughout American history. We will discuss the importance of free speech in a democratic society and how the government balances the freedom of speech with other government interests. This course is also designed to give you a glimpse of law school and what being a lawyer is like. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 239. Change Agents: Past, Present, and Future. 3 Units.
Though it is often said that we are living in a time of constant change, surprisingly few people take the time to understand who makes change happen and how. This seminar will explore the phenomenon of change on multiple levels. We begin by looking at change through an historical lens, examining social movements in the 1960’s. We will then investigate organizational turnarounds of the late 20th century and today. In each instance, we will consider the role of the individual, groups, and organizations as change agents, and discern the influence of environmental factors on change processes. Throughout this course, we will study the dynamics of effective change, identify change strategies, and move to develop a personal understanding of how each one of us can initiate change. In addition to diagnosis and analysis, we will engage in creative thinking and writing about our own capacity to become change agents. We will apply what we read and learn to our current and future lives. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 243. The Art of Fact. 3 Units.
As evidenced by the tragedy that unfolded in New Orleans in the wake of Hurricane Katrina, we ignore the consequences of endemic poverty at our peril. How do you evacuate a city filled with thousands of people too poor to own cars? Where do you house them after they’ve been rescued from their drowned neighborhoods? Although Cleveland won’t likely be erased by flood, it’s one of the poorest big cities in the nation making it vulnerable to disaster in times of crisis and an incubator for a host of thorny social problems. Often, it’s up to journalists to bring attention to these issues, give voice to the voiceless and force policymakers to come up with solutions to seemingly intractable problems. In this seminar, we’ll read and dissect the works of journalists who’ve written stories about complex social problems and have done so using many of the conventions employed by writers of fiction. Writer Ben Yagoda described this literary journalism as “making facts dance.” We’ll spend our time researching numerous social issues and learn to write about them in a clear and compelling voice. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 255. Hinduism. 3 Units.
This course will provide an introduction to Hindu thought and culture. We will read a wide range of texts and secondary sources. Two readings, the Ramayana and Samskara, will focus on issues of ethics and proper dharma. We will also be watching Deepa Mehta’s Fire. There will be a visit to the Shiva-Vishnu Temple in Parma. Heavy emphasis on research and writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 256. Cognitive Archaeology. 3 Units.
Have you ever wondered how it is that humans have developed self-reflecting minds capable of meta-representation and other cognitive capabilities? Have you ever pondered how the human mind operates in relation to its cultural context? These are the kinds of questions that cognitive archaeologists explore and the sorts of questions we will discuss in this course. Intersecting several fields including anthropology, psychology, and philosophy, cognitive archaeology is a truly multi-disciplinary field that has contributed significantly to our understanding of the human mind. Cognitive archaeology not only deals with how the mind works and how it evolved, but it also deals with how archaeologists utilize what is known of how the mind operates in order to interpret the archaeological record. Students are expected to enhance their skills at critical reading, thoughtful analysis, constructing logical arguments, and improving written and oral communication. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 260. Spin, P.R., and America Today. 3 Units.
We live today surrounded by spin--corporations don't fire, they downsize; government pronouncements are assumed to be cynically slanted and misleading; even scholarly medical articles are written by public relations (p.r.) flacks. The guiding principle isn't truth or reality but the right message and staying on it. How and why has p.r. become such a seemingly potent force in our time? What does this say about America and its values--about even the meaning of truth? In this seminar we will explore the role of public relations and image-making, in American society today. Our objectives are (1) Examine the users of p.r. today in business, politics and popular culture to shape images and define reality; (2) explore the tools used to construct and sell those messages and perceptions and (3) Analyze the values underlying these activities--to the end of deepening our understanding society today. This seminar explores these issues through reading, both academic and popular writing, discussion, and research. The writing assignments will be both academic and various forms of media and public relations formats. We will use class time to discuss and review student writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 264. Government and Race Relations. 3 Units.
Current debates over such issues as immigration and affirmative action raise core questions about the government's influence upon American race relations. What roles have various governmental entities--e.g., federal courts, state governors, and city councils--played in promoting racial equality or defending racial hierarchies? What roles should they play? And how much can the government (re)shape cultural attitudes and social practices? How much authority over race relations should remain with states and localities, and how much should be exercised by the federal government? This course offers a forum to investigate and debate such questions more thoroughly by examining a range of instances in the period from the late 19th century to the present day in which different kinds of government action have significantly influenced American race relations. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 266. Framing Our Legal System: Law in the Movies. 3 Units.
This course explores important themes in the study of law, lawyers, and legal institutions by regarding their representations in movies. We will cover such issues as race/class/gender and the law, legal ethics, legal education, the adversarial system, and the image and status of the lawyer in American culture. We will also look at the ways in which law and the legal profession affect popular culture and, conversely, the ways in which popular views of legal problems and lawyers affect law. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 269. Create-A-College. 3 Units.
In seminar format, students will develop plans for a new institution of higher learning, shaping and communicating in several different formats its mission, goals, academic focus, and physical and financial needs. Supporting the course's research, writing, and presentation expectations will be documents from existing colleges, information on the policy and social environment for such a venture, and requirements imposed by external entities such as governmental and accrediting agencies. Course will include interactions among two sets of student teams and several intermediary presentations, culminating in a group presentation of plans for the new college to a panel of experts including current or former members of the University's Board of Trustees and the Ohio Board of Regents. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 270. The Geography of Wealth. 3 Units.
While many of us are familiar with thinking about wealth in social, political and economic terms, wealth can also be understood as a function of geography. This seminar will look at American history and culture to seek a deeper understanding of how place and wealth interact; some of the government policies that affect those interactions; and some of the grand experiments in philanthropy, law, and social policy that have tried to reverse the perceived evils of “concentrated poverty.” The seminar will not require an advanced mathematical or statistical background. However, we will analyze how statistics can illuminate (and disguise) issues and problems. We will look at the business corporation as both an aggregator of wealth and as a wealth allocation system. Of necessity we will wander into matters of race, employment, power, class, culture, history, and government. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 271. Schoolhouse Rocked: Education Reform. 3 Units.
Today, the term "education reform" may bring to mind standardized tests and "No Child Left Behind." Many believe that our schools must become more rigorous, with stricter rules and definable goals. "Reform," however, used to be defined differently. John Dewey, Maria Montessori, and Paulo-Freire, for example, struggled to make schools freer and more humane. They hoped not to make the classroom less challenging, but more child-centered. Some disciples of such reformers, discouraged by schools' resistance to change, eventually turned to homeschooling--pulling kids out of school and educating them with real-life learning experiences. In this seminar, we will explore progressive educational theory and connect it with contemporary alternative schools and homeschooling. Visits to nearby Montessori and Waldorf schools and discussions with homeschoolers will make real-life connections to seminar reading and classwork. Challenging assumptions about how well our schools work and raising questions such as, "How do we learn?" and "What is good teaching?" will provoke thought, conversation, and interesting writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 274. Passion, Insult, and Virtue in Ancient Athens. 3 Units.
Students explore the social fabric of Athens at its height--the various social and economic institutions that shaped households and the city--state in the fifth and fourth centuries BCE. Primary source material will include courtroom speeches, two comedies of Aristophanes, and Aristotle's Ethics. Topics: lust, love, marriage, prostitution, slavery, elite drinking parties, street life, hubristic violence, competition, feuding murder, the legal system, diverse concepts of virtue, and how ordinary people were expected to treat one another in good times and bad. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 275. Psychology of Creativity. 3 Units.
The purpose of this course is to explore how individuals become creative. What are the most important qualities, emotional and cognitive, that are related to creativity? Is there a creative personality? What is the difference between artistic and scientific creativity? How does creativity relate to mental illness? How can we foster creativity in people? The course will study creativity in children and adults and will include research studies as well as descriptions of creativity from creative individuals. We will also discuss how different cultures view and effect creativity and the ethical issues involved. This course is a seminar and will use a discussion format. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 280. Democracy?. 3 Units.
"Democracy?" poses democracy as a question, in two forms. First, what do we mean by democracy? Second, where should democracy be practiced? Although conventional understandings link democracy to political systems and issues of governance, the course will consider democracy in other institutions and locations. Course questions include: What is democracy? Why do we value democracy? Does democracy in the state require democracy in the economy? What would that look like? What are the potential conflicts between economic and political democracy with full citizen involvement? Is direct democracy democratic? Does democracy in the state require democracy in the family? In universities? In the workplace? In prisons? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 283. Life is a Contact Sport. 3 Units.
This class will take students places most people have never been. We'll come face-to-face with the homeless, explore the realities of prison life, and meet people who struggle to survive in the wealthiest country in the world. We'll also meet people who have demonstrated both the vision and commitment to be change agents making a difference in the world. The interdisciplinary course will examine the shadow-line between self-interest, greed, and the common good in a capitalist society. We will look at the needs and (sometimes competing) values in democracy. We will examine ethical systems and discuss the role that leaders, managers, and ordinary citizens play as moral agents in promoting integrity and social responsibility for a just society. From interactions with real people, readings, and class discussion, the course challenges assumptions and explores core values to stretch your intellectual, ethical, and social muscles. Life is a contact sport that asks you to engage, to participate in making your talents and presence felt, not merely sit on the sidelines watching. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 284. The Kaleidoscope of Birth. 3 Units.
The course will explore topics in science, technology and culture across time as they relate to the social construction of birth. Students and faculty will critically examine the seminar topics through an interdisciplinary approach. The learners will develop their own understanding of how science and technology related to birth have and continue to change. What happens when newer technologies supersede the old? What happens when older ideas are revived? Students will be introduced to the influence of culture and technology. Methods of oral and written communication will be enhanced via assignments. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285A. Ethnicity and Local History. 3 Units.
This course will explore the many different kinds of ethnic communities to which we belong. Why have local ethnic groups formed arts and cultural organizations, sports clubs, charities, and other groups which highlight their difference? How have these local groups operated within larger, national ethnic groups and how have they helped us negotiate our identities as citizens, members of religious communities, and/or members of other nations? To what extent have these groups been successful in encouraging future generations to identify with the ethnic group? Our starting point and focus will be an examination of theories of civil society, ethnic identity formation, and nationalism. We will then turn to an examination of the ethnic communities in the Greater Cleveland area. This study of our own local context will then be followed by a consideration of ethnic organizations in other parts of the world. As we consider how ethnic communities have developed and changed throughout history, we will also examine our connections to these communities and, it is hoped, gain a better appreciation for the diversity which surrounds us. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 285D. Advertising and the American Dream. 3 Units.
This SAGES seminar will explore advertising in America, its social and cultural roots, and its impact (or lack thereof) on our values, tastes, and behavior as consumers and citizens. It is hard to find a space in the contemporary world that is not plastered with ads—from the Coke cups next to the judges on “American Idol” to stencils on the sidewalks we walk on. This blizzard of advertising images may, in fact, define our age. We will examine the forces that created this giant American industry and ask: Why do we have advertising? How is it created? What social functions does it serve? How has it changed? Where is it going? Central to this seminar is discussion, research, and writing to analyze and critique this in-our-face, but little understood, social institution. Some of our discussions will flow from advertising industry news (e.g., the Super Bowl ads), a contemporary or early 20th century ad campaign, or the backstage insights of a guest from one of Cleveland’s major ad agencies. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285H. Music and Cultural Expression. 3 Units.
In this seminar, we will focus on the recent history of music and the role it plays in our culture today. Music is a form of cultural expression that creates meaning with narrative elements in a way similar to novels, poetry, drama, and other typically literary forms; we will consider various genres of music as well as various genres of literature that depend on music to complete their expression. But music is also one of the most obvious ways we participate in our culture, and musical taste can help define our sense of ourselves and where we belong in culture. We will read some identity theory to determine how and why music helps us create identity from and within the culture around us. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285I. Spectacle in American Culture. 3 Units.
This seminar will examine the topic of spectacle both chronologically and typologically to better understand the power of remarkable visual experiences to awe, entertain, persuade, and create meaning from the colonial period to the present day. In the 17th century, the religious beliefs of the New England community and its need to maintain social cohesiveness gave rise to the spectacle of witch trials and public punishments. As Americans moved westward, the natural world became the focus of the spectacular. In the nineteenth century, the campaigns and debates of presidential candidates became political theater. The latter half of the century gave rise to Consumption as Spectacle as exemplified in the may expositions and World’s Fairs. Today, spectacle has reached all facets of our lives. Americans are willing to expose the most intimate details of their personal relationships on television shows like Jerry Springer and The Real World. Although frequently used to maintain power, spectacle also has been employed as a tactic of resistance and as an instrument for creating alternative meaning by subcultures. More recently, spectacle has served as an instrument of terror. Through lectures, discussion, multimedia presentations, and writing assignments, we will have an opportunity to reflect on the many forms and uses of spectacle in American history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285K. The Economics of Global Poverty. 3 Units.
Developing countries make up at least three-fourths of the world population. This course focuses on international aspects of economics of the developing world. Questions we will ask include: why are the poorest countries failing to thrive, what can be done about it, and can the rich afford to help the poor? The term “developing country” means a country that exhibits low per capita income, high poverty level, little industrialization, or low life expectancy. However, these problems also affect developed countries. Why, then, do we study poor countries’ economies separately from those of industrialized nations? The answer lies not in the types of problems but in the severity and causes of these problems. It is these issues, the causes and consequences of global poverty, and solutions to help the world’s poorest, that concern us here. Raising people out of poverty requires economic growth, a more even income distribution, investment in education, health care, and infrastructure, social safety nets, honest political leaders, reliable social and financial institutions, and international aid from rich countries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285O. Cities (Deconstructed). 3 Units.
This seminar will look at the history of cities, real and imagined, in terms of deconstruction, both in the sense of physical destruction and literary analysis. We will explore how societies have brought about, and reacted to, the destruction of buildings, neighborhoods, and entire cities at the hands of economic development, terrorism, war, neglect, decay, and natural disasters such as fire, flood, and earthquake. In addition we will read cities themselves as texts. Architecture, public parks, billboards, graffiti, surveillance cameras, sidewalks and alleys all contribute to the discourse of what a city means. Part of that discourse includes the depiction of cities in the creative arts. We will examine works of fiction, still photography and motion pictures, art installations, and music that imagine, or comment on, the deconstructed city. Through lecture, discussion, textual analysis, multimedia presentations, and writing assignments, including a research project in which students will be asked to write a cultural biography of a building, Cities (Deconstructed) will help students confront these questions, and will prepare them to make informed decisions about sustaining the built environment. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
**USSO 285P. China in Transformation and Globalization. 3 Units.**
This seminar introduces students to major economic, social, and cultural developments in China over the past quarter century, taking as its particular focus the way in which China experienced changes such as consumption, education, migration, and tourism as a result of economic reforms, trade expansion, foreign investments and technology transfer, and the development of information technology. The seminar will also assess the impacts of various aspects of globalization on these changes and vice versa. This seminar promotes broad knowledge of--and increased appreciation of the importance of diversity in China's cultural past, social frameworks, economic conditions, and natural environment.

In a close connection to the primary readings, which include several recent relevant works, the students will be exposed to a variety of related primary and secondary materials (such as texts, photos, film clips, music, songs, and websites). In addition to receiving informative yet concise instruction, the student will also be involved in practice in critical reading and thinking, in writing and orally presenting research papers. In these activities, the students will be introduced to basic methods and concepts critical to the understanding of important economic, social, and cultural developments and changes as products of movements rather than isolated incidents. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSO 285Q. Paradigms, Ideologies, and World Views. 3 Units.**
The purpose of this class is to analyze the different ways in which people view the world, and the consequences of adopting any particular perspective. Our first primary area of inquiry will be the degree to which the scientific community meets its ideals. We will explore how dominant paradigms develop and slowly change based on sociological and psychological principles that are far from the idealized notion of scientific process. Then, we will explore modern political ideologies in order to assess how fundamentally different assumptions about how the world works lead to fundamentally different conclusions about ideal policies. We will then discuss the degree to which ordinary citizens follow such ideologies. As an alternative to an ideological world view, we will then examine the concept from psychology known as the, "schema," and we will discuss how schemata affect political perceptions. Finally, we will discuss how even so-called experts are subject to errors in judgment based on their assumptions about the world. This is a University Seminar, so the class will also set aside time to discuss writing. The schedule has several sessions set aside for writing instruction (labeled, writing day or, writing week). On these days, class will be led jointly by the professor and the writing liaison to discuss writing technique. For most of these sessions, you will be asked to participate in a writing exercise, to be discussed immediately afterwards. For some sessions you will be asked to bring in outlines, thesis statements, sample paragraphs, or other preparation work for course assignments. You will be informed the week prior when you will need to bring such a sample to the writing session. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSO 285S. Correspondence. 3 Units.**
Correspondence will look at the practice of writing and reading letters, and explore the use of letters as biographical, historical, and forensic evidence. Students will read love letters, "Letters to the Editor," letters from the battlefield, and correspondence between scientists and theologians. We will gain access to the experience of tourism through post cards, and the world of the modern corporation through business letters, emails and text messages. We will read examples of fiction where the letter acts as a plot device, as in the epistolary novels of the 18th century. We will think about the function of the letter as an instrument of persuasion, as an opportunity to develop ideas in a private and informal manner, and as a forum for expressing emotion. In addition, we will study the communication systems and technologies, such as the post office, the telegraph, and the internet, that have facilitated, and changed the nature of, correspondence throughout history. Students will be asked to write letters based on their personal experiences and their political opinions, and write analytical essays based on topics related to the practice and history of correspondence. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSO 285T. Why We Believe Weird Things. 3 Units.**
How, in such a skeptical age, can people maintain questionable beliefs regarding urban legends, alternative medicine, superstitions, and paranormal phenomena? How do cults manage to attract and maintain large memberships? How can so many seemingly normal people come to the conclusion that they have been abducted by aliens? We will explore the idea that these behaviors are not examples of pathological thought processes, but rather natural consequences of the biases that characterize everyday reasoning. Emphasis will be placed on critical examination of questionable phenomena with a goal of understanding why people might want to hold such beliefs. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSO 285V. Travel Literature in the Age of Discovery. 3 Units.**
The discovery of the Americas in the 15th century challenged European constructions of the known world and tested assumptions about nature, culture, and the workings of intellectual inquiry. Although before 1492 Europeans traveled, they usually read new landscapes in light of familiar religious paradigms. The discoveries forced Europeans to draw the world anew, literally and metaphorically. Students will read works of travel fiction and real-life travelers’ tales, and will address the following questions: how did travel literature reflect successive discoveries? What new maps (geographical or metaphorical) did this literature help draw? How did the discoveries bear on literary genres? After a brief foray into medieval literature, students will read The Tempest, Oroonoko, excerpts from The Persian Letters, excerpts from Gulliver’s Travels, Robinson Crusoe, Candide, and A Sentimental Journey. Additionally, students will read brief accounts of actual travels. Students will write three papers and prepare presentations on topics such as pilgrimage routes, map making, the search for longitude, and America in the visual arts. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 285Y. Quest for Perfection: Law as a Vehicle for Social Improvement. 3 Units.
Americans often seek to use U.S. law to create "fairness" and "civility"—in a world that can sometimes be brutal and fundamentally unjust. Increasingly, we rely on courts and statutes to "fix" identified social problems and to achieve a more just society. This course will examine our reliance on law to improve human behavior and to achieve social goals. Can statutes and lawyers lead the way to a better world? What are the limits (if any) of our ability to improve society by passing new laws and mandates? Are there unforeseen, negative consequences that arise from our legal efforts to improve public and personal behavior? This course will examine those questions in the context of selected social issues. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285Z. Mastering the Masterpiece: Looking Closely at Great Works of Visual Art. 3 Units.
Masterpiece: This oft (ab)used epithet, applied to everything from a pre-schooler's finger painting to a Picasso portrait, suggests a creative enterprise of unrivaled achievement and quality. Using some of the finest examples of human creative expression--specifically, work on view at the Cleveland Museum of Art--this SAGES seminar will celebrate, critique, and question the "masterpiece" designation. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286E. Global Tourism. 3 Units.
Tourism can be viewed as a metaphor for contemporary existence in an increasingly globalizing world where attachments and ties to a concrete place are often temporary. Besides capturing the essence of present-day mobility, tourism is a phenomenon that can be researched both politically and economically. Indeed, 10 percent of global GNP comes from tourism and many poor countries rely on the tourism industry to sustain national economic development. In this class, we will touch on the economic and political significance of tourism, but will spend most of our time thinking of what happens in the tourist encounter, what tourists expect, what drives them, and who loses as well as benefits in the encounter. Some of the specific themes include: the nature of tourist destinations, quest for authentic sites, entertainment tourism (Disneyland, Dracula-Park), tourism to Auschwitz, culinary tourism, sex tourism, and eco-tourism. By reading theoretical works, travel blogs, and literature, we will gain insight to the motivations of tourists, the inhabitants of the places being visited, and international organizations as well as governments who oversee this industry. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286F. Environment and Civic Culture in the Developing World. 3 Units.
Can the fight against environmental degradation lead to an improved civic culture and political reform in developing nations? Developing nations typically sacrifice environmental protection in favor of economic development. Only when the costs of environmental degradation become obvious do nations consider a sustainable development regime that includes environmental protection. This seminar addresses whether implementing a sustainable development model requires a new civic culture that encourages political reform. In doing so, students will examine and write about literature on economic development, environmental degradation, and several international initiatives that encourage reforms to aid sustainable development. The seminar will use the People's Republic of China as a case study, but will also draw on evidence from other developing countries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286G. Race in the Americas. 3 Units.
This course examines the history of race relations in the US and Latin America. Its premise is that modern race relations are not only the legacy of a distant slave past, but also the product of continuous cultural and political readjustments to new times and conditions. The class starts by examining the colonial development of race-based political and economic system in the Americas. It continues by exploring how racial hierarchies were re-created as nations in the Americas went through enormous political and economic changes in the 19th and 20th centuries. Students will conduct a small history research project on how race relations have affected a person, institution, city or neighborhood's history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286I. Society through Online Videos: The Broadcast of the Self. 3 Units.
In this course we will discover and explore the interrelationships of self, technology, and society in the 21st century through digital video on the internet. We will watch online videos and read about social theory as part of a rigorous examination of media and society. This course will examine the intended and unintended consequences of mass information sharing and communication via online video. Students will work with the seminar leader and build upon existing academic knowledge to extend their understanding of the structure and meanings inherent in our video-active lives. In addition to completing regular writing assignments, students will learn about digital video production and produce a short digital video essay. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286J. Women’s Education at CWRU: The Flora Stone Mather Oral History Project. 3 Units.
This seminar will offer a discussion-based exploration of the history of women’s education in America. Much of the discussion will focus on the emergence of coordinate colleges, including the College for Women (later renamed Flora Stone Mather College) at Western Reserve University. The seminar will also give students an opportunity to contribute to the historical literature by conducting interviews with Flora Stone Mather alumnai. Students will be instructed in the basic principles and techniques of oral history and engage in the creation of primary source materials—tapes and transcriptions—essential for historical documentation. They will then reflect on the relationship between the stories they have collected and the present-day educational experiences of women at Case Western Reserve University. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286L. Exploring Non-Profit Organizations. 3 Units.
This seminar is structured to expose students to the opportunities and challenges of working in and running non-profit organizations. Students will explore the importance and significant roles non-profit organizations play in our society. The class will learn how non-profits are organized and regulated and the importance of the organization’s mission is to determining the impact of the non-profit organization in the community. Additionally, the students will learn how non-profits are funded and how these organizations maintain their financial stability and sustainability in the community. These goals will be accomplished through group analysis of non-profit organizational principles, and investigation of existing non-profit organizations. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286M. Hip-Hop Narrative in Film. 3 Units.
This seminar explores films of the Hip-Hop Generation and, by presenting certain films in chronological order, draws out the common threads. Hip-Hop culture is a conversation, an argument between the have-nots and the rest of us. The goals and objectives of that conversation have evolved and changed in timbre and urgency. Tracking that dialogue through the late 60s, the post-civil rights era, the emergence of the b-boy, Reaganomics, and the rise of the new Black middle class helps us to get a better look at where it is and where it’s going. By isolating the stories told by filmmakers within a certain period and then analyzing their place in the larger Hip-Hop narrative, the instructor and the students can infer truths about the politics and zeitgeist of the times in which the film works were conceived. This course will consist of lots of film, yes, but also lots of reading and writing. Upon successful completion, the student should be able to recognize and define the Hip-Hop narrative in popular cinema, focus critical thinking skills, pull the narrative from certain films and discuss it, note and discuss the visual aesthetic and how it impacts the story, and discuss the marketing, packaging, and cultural impact of the Hip-Hop narrative. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286N. Nazi Art Theft and Its Aftermath. 3 Units.
During World War II the German government perpetrated one of the most egregious and extensive art thefts in the history of human kind. The Nazi party’s desire to gain control of Europe involved their prolific confiscation of the great art treasures of European public and private collections, particularly those belonging to European Jews. This seminar will explore the Nazi’s deliberate war looting campaign, its aftermath, and the current issues surrounding the reclamation of stolen works and the restitution claims yet to be settled. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286O. Place, Religion, and Public Life. 3 Units.
What is the place of religion in everyday life? How do people contend with conflicting beliefs about the proper relationship between religion, politics, and personal conduct? How do they decide which kinds of religious behavior belong in public and which belong in private? How do they decide what counts as a “private” or “public” place to begin with? Where does religion belong? In this seminar, students will explore these questions at a range of scales, from the local to the global. They will ask how secular and religious thought interact to shape social life in a range of material and virtual spaces, from Case to Facebook. In so doing, they will learn to approach the religious/secular divide from a broadly ethnographic perspective. Focusing mostly on the United States but also considering case studies from other parts of the globe, students will examine how diverse groups practice their faiths, express their beliefs, and contend with secular institutions and expectations in everyday life. Coursework will include trips to local neighborhoods and institutions, readings from a broad range of fields in the social sciences and humanities, and a fieldwork-based research paper. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286P. Immigrant Entrepreneurs—Can They Drive Cleveland’s Economy Once Again?. 3 Units.
This seminar will focus on the impact of immigrant entrepreneurs in Cleveland—past, present and future. The class will take a look back at the historic contributions immigrant entrepreneurs played in creating economic prosperity in Cleveland during the 20th century. While immigrant entrepreneurs once played a central role in driving Cleveland’s economic success, in recent years the city has attracted much less foreign talent than other faster growing U.S. metropolitan areas. Cleveland’s population is at its lowest level since 1903 and continues to shrink. Chicago, Philadelphia and Louisville, among other cities, have embarked on efforts to attract foreign talent to not only address the “brain drain” of young people leaving their cities but also to spur economic development. In a March 29, 2009 editorial, The Plain Dealer argued for a more proactive approach in Cleveland to attract foreign talent: “If Cleveland is to regain (its) lofty status—especially in a global economy that rewards intelligence, creativity and innovation—it needs to re-establish itself as a magnet for new Americans. We need their fresh ideas, entrepreneurial zeal and optimism. We need them to help reverse decades of migration away from the region’s urban core.” The culmination of the seminar will examine the question of whether Cleveland should proactively recruit foreign talent and look closely at the public policy, regulatory and political challenges that must be overcome in order to effectively do so. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286Q. History of Late 20th Century Popular Culture. 3 Units.
This course focuses on American popular culture of the late twentieth century (c. 1970 to 2001). Students will analyze this period using a variety of historical texts and primary sources (everything from more "traditional" sources such as printed materials to films, television episodes and clips, music and sound lyrics, fanzines ["zines"], graphic novels, and music videos). Secondary sources include history essays and monographs, as well as articles by scholars employing critical theory. Students will explore whether "products" of popular culture perpetuate power structures and help to shape the discourse of late twentieth century American culture. Moreover, they will examine how individuals contribute to and challenge the discourses as consumers and creators of pop culture. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286S. Mystics, Inquisitors, and Deviance in the Early Modern Spanish World. 3 Units.
What role does religion play in constructing social norms? Does religion function primarily to enforce social conformity and maintain the status quo, or does it give a voice to protest and dissent from marginalized individuals and groups? Within the Christian tradition, these questions have transcended time and place. This course explores these questions in the context of sixteenth-century Spain. Similar to contemporary American society, sixteenth-century Spain seemed to encourage religious fervor, but did not tolerate religious figures or groups that threatened the status quo. During this time, Spain experienced an explosion of individuals who claimed to have direct experiences of the divine, and authorities invested much time and energy to differentiate between authentic, orthodox mysticism, and fraudulent heresy. In the last 40 years, social theory has allowed historians to unlock the relationship between religion, gender, authority, and social structure. These issues are at the forefront of contemporary approaches to sixteenth-century Spanish mysticism, as the vast majority of individuals claiming mystical experiences were women. Even those who were judged to be orthodox had voiced strong criticisms of Spain's church and government while alive, but after death were celebrated for their obedience. We will examine a variety of media that represent mystical experience in Spain's Golden Age, including: short stories, autobiography and biography, mystical texts, inquisition trials, and works of art. Additionally, we will encounter how the legacy of Golden Age Spanish mysticism has been transmitted to our own time in historical narratives and film. Thus, the goals of this course are twofold. Students will learn to employ a contemporary academic lens and gain understanding of a historical context that is both similar to, and different from, our own. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286U. Ideal Communities, Utopian Visions, and Totalitarian Nightmares. 3 Units.
This course will study communal attempts to form ideal societies and will offer a transcultural, transhistorical view of how various authors and filmmakers have imagined the best and worst possibilities of human society. Its central questions are: How can society be improved? What role does education play in improving society? How do you define freedom? How can we combine freedom with social order? How can social problems be critiqued through representations of ideal or dysfunctional societies? The course will be interdisciplinary by combining historical study with analysis of literature, film, art, and music. In studying and discussing utopian communities, students will examine the problems that each community attempted to solve, their philosophical approach to solving these problems, the success or failure of their solutions, and the similarities and differences among these communities. In studying utopian and dystopian literature and film, we will analyze the problems and solutions that each text or film examines and proposes, and will look at each text or film in its social and historical context. We will also explore how authors and filmmakers have used their utopian and dystopian visions to respond to the positive or negative trends in their own societies. In addition, we will discuss how each text or film coincides with or challenges our perceptions of the strengths and problems in our society and how we might solve those problems. This course will encourage students to think about the kind of world they would like to help bring about, as well as the various social problems that may darken the future of the human race. Students will write in class regularly about these issues as well as the assigned readings that raise these issues, and will write essays about ideal communities, utopian texts, and dystopian texts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286V. Management of Chronic Illness in a Cultural Context. 3 Units.
This course will explore the cross cultural, self-care approaches to health problems. It covers substance-based (e.g., herbs, acupuncture), mind-body (e.g., yoga, qigong), spiritual (e.g., prayer) and social (e.g., communal, family) approaches that have been used to manage chronic diseases and promote wellness in various cultural settings. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286X. The Future of News. 3 Units.
The saying goes, "Strong Press, Strong Democracy." But what of strong democracy in the Internet Age when the traditional press seems weak? That's this seminar's big question. Can the "old" media, struggling to avoid financial collapse, still deliver the news necessary to be democracy's watchdog, as in the past? Can the new internet media--blogs, YouTube, viral videos, "hyperlocalism" experiments, pro publica investigations, crowd sourcing, instant news, Facebook, Gawker, True/Slant, Drudge and the proliferation of the other news and entertainment sources--take its place or complement traditional journalism? How do these new entrants change the nature of news and the role of the media in our society? These are uncharted developments, but they go to the heart of the continued success of America's democratic experiment. Our goal is to grasp more clearly the connections between media, news, citizenship and democracy in this new age. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286Y. The Holocaust and Local History. 3 Units.
The Holocaust and Local History will focus on how the events that make up the Holocaust affected communities in both Eastern Europe, where the most horrific crimes of the Holocaust occurred, and in the United States, where the Jewish community responded to the events with both astonishment and action. A focus on local histories will illustrate the legacy of the Holocaust and help students understand how history directly affects their own lives and the lives of those around them. The goal is to uncover the role that this complex history continues to play in our daily lives, whether in the small towns of Eastern Europe or the suburbs of greater Cleveland. Topics will include the course of the Holocaust in towns in Eastern Europe, the effects of the Holocaust in American communities like Cleveland, and the commemoration of the Holocaust and memory of local Jewish communities in Eastern Europe. Students will examine these topics with the help of primary and secondary sources, hear from local survivors of the Holocaust, and learn more about how the Holocaust is represented in local museums. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287B. Migration in Human History. 3 Units.
The movements of individuals and groups, along with the ideas, technologies, and diseases that accompanied them, have played an integral role in shaping human history. Migration has continually created, challenged and shaped societies from the most ancient periods through to the present. It has a transformative effect on communities at the points of origin, along migration routes, and at temporary and final destinations. This seminar will introduce students to several different ways of thinking about migration throughout history, from the contacts between nomadic and settled societies, to colonial settlement and diasporas and migration from rural towns and villages to industrial cities, as well as the ongoing mobility at the highest and lowest levels of modern society. Indeed, many contemporary conflicts of class and culture can be traced back to migration, in the interactions between those seen as migrants and those who consider themselves natives. This seminar will also encourage students to consider the importance of different forms of migration in their own lives, in the histories of their families, and in the city around them. Cleveland is a city founded by migrants from Connecticut (hence the 'Western Reserve' in the name of the university), populated by both transatlantic and internal American migration, and shaped by the local migrations that affected ethnic neighborhoods, suburbs, and smaller towns throughout the region. Compared to historical migrations of thousands and millions of people, such movements may seem minor, but they can be studied and understood in similar terms. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287C. Murder in the Jazz Age. 3 Units.
Having lived through the devastation and consequences of World War I, you might think that Americans would have been appalled by the violent murders that marred the 1920s. To be sure, they were. Americans were also drawn to the infamous murders as though understanding these crimes would enable them to explain the changes in society, such as changes to gender rules and urbanization, brought about and accelerated by the war. In this class, we will examine the major crimes of the decade in the hopes of gaining the insight that the people at the time sought. The course readings include secondary sources that provide an analysis of the decade and primary sources from the murder cases themselves. In addition, students will become familiar with the historical context and scientific advancements that gave birth to modern forensics. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287E. Clash of the Titans: Economic, Industrial and Social Trends for the 21st Century. 3 Units.
Since the beginning of recorded human civilization, locally dominant societies have risen, prospered, decayed and finally ended, with new ones taking their place. Starting in the 15th century, however, Europe established global dominance and maintained it for four centuries, from the age of New World exploration through the Industrial Revolution of the 19th century. Then came the rise of the United States, which in the late 20th century became the world's only superpower, economically, industrially, militarily and, increasingly, culturally. In the late 20th and early 21st centuries, we are witnessing the "flattening" of the world due to the technological revolution, a phenomenon brought about by the instant and worldwide generation of and access to information. Two major consequences of this evolution are: a) Individuals are more empowered than at any time in history and the traditional societal structure is under constant challenge; b) Companies have changed their business structures and practices and have begun to operate on a truly global scale. The main goal of the course is to help students learn the lessons of history and use them to develop an educated argument as to whether the US will continue in its prominent leadership role, or whether one or both of the emerging Asian economic powerhouses, China and India, will supplant it and become dominant. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287J. Education in sub-Saharan Africa. 3 Units.
The level of education in sub-Saharan Africa is much lower than in the United States. In some sub-Saharan countries, less than 20% of the adults are literate, less than 10% have a secondary school education, and less than 1% have a college education. The low level of education keeps the region in poverty--most households in sub-Saharan Africa have no electricity or running water. This seminar will address the barriers that hinder education in sub-Saharan Africa, and explore ways to overcome these barriers. The barriers have a broad range of origins, including economic (not enough money for teacher salaries, books, and school maintenance), societal (education not seen as important, especially for girls), technological (lack of electricity and transportation), institutional (widespread corruption in government), and medical (AIDS, malaria and diseases from unclean water cause student absences and orphan students). Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 287O. Utopia and Social Change in American Fiction. 3 Units.
In this course we will read American Utopian fiction alongside selections from other academic disciplines in order to consider the issues, problems, and conflicts for creating meaningful social change. We will consider questions such as: What has it meant/does it mean to imagine a perfect American society? Who is excluded from these visions and on what grounds? How has the radically different social order represented in utopian fiction been used to critique American society's injustices? In our readings we will think through the ways in which historical perceptions of equality, hope, and political action have been portrayed in imagining ideal communities. We will also examine how academic theories have influenced and reacted to American utopian literature. Our coursework may include essay responses, service learning, and primary research (interviews and surveys), and will culminate in a project in which you will present your vision of a utopian future in a creative form and interpret and explain this "future" through a research paper analyzing the decisions that went into its creation. Prereq: Passing letter grade in a first year seminar in FS CC, F SNA, F SSY or F SCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287Q. Social Constructs Associated with Marginalization: Making a Difference. 3 Units.
The purpose of this course is to increase the students' awareness of selected social constructs within the global society (i.e., vulnerability) that have the potential to generate circumstances that place some individuals or groups at risk for marginalization and diminished well-being. The course will be conducted within a seminar format and will provide opportunities for scholarly inquiry and debate regarding the nature of the constructs posited. Students will critique each other's social constructs with intent to generate innovative strategies to reduce individual and global marginalization. Each student will prepare a formal written report of their findings related to their construct of interest. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287R. The Business of Sports-Content, Television, Social Media, Consumer Products, Advertising & Marketing. 3 Units.
The sports industry is experiencing rapid growth and is expected to become one of the nation's top 25 industries by 2030. This seminar will explore five elements of the business model that is driving this growth: content, television, social media, advertising, and consumer products. In addition, it will examine the marketing of these five elements. Students will be graded on class participation, essays, and a final paper. They will be asked to read weekly articles on each aspect of the sports industry and to participate in social media sites in order to understand how powerful this platform is to the sports business. In addition, they will work together in groups to create their own sports marketing websites and present these sites for evaluation by the entire class. The results of the evaluation will contribute to their grade for this part of the course. Guest lecturers for the seminar will include nationally recognized experts and representatives of the sports industry, many of whom visit northeast Ohio for sporting events. Students in the course will acquire a unique perspective on a business that is projected to become one of the world's leading growth industries in the 21st century. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287T. Gender, Visibility and Performance: The Courtesan. 3 Units.
Throughout history, the figure of the courtesan has embodied seduction, performance, and mystery; occupying the private spaces of the real and the imaginary across cultures. The impact of the courtesan on society can be seen in travelogues, poetry, and historical treatises, as well as in texts written specifically about courtesans themselves. Those cultures which had a courtesan class frequently experienced varying degrees of social discomfort. Within the culture, there was tension between those who patronized courtesans and those who considered them a social menace. From without, cultures which had courtesans were believed to be either excessively decadent or highly civilized, depending on the cultural standpoint of the observer. In this seminar, we will study real courtesans as well as examine the figure of the courtesan within the context of literature, religion, music history, and gender theory. The seminar will begin with an overview of the origins of the courtesan, focused on the roles of women and slave musicians in the court and temple in Egypt, India, Greece, and Mesopotamia starting in 3,000 BCE. Then, we will explore factors leading to the development of a courtesan class and compare the roles of courtesans and their place in their culture in Europe, India, Asia, and the Middle East. Readings and class discussion will encompass issues relating to the impact of gender on performance, literary genres, education, and social and legal status, as well as continuing questions related to translation of primary sources, colonialism, and religious movements. In addition to the readings, we will also study images of the courtesan from antiquity to the present, listen to music by and about courtesans, sample some of their writing, and watch films about "real" courtesans. The primary goal is not only to look at the impact of courtesans in history, but also to engage issues related to gender and performance from a variety of different disciplinary and cultural points of view. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287V. The Public and the Past: History in the Marketplace. 3 Units.
How does one or should one "sell" the past? Our primary encounters with the past are not in the university classroom, but via popular media, museums, theme parks, and historic sites; entities whose survival is increasingly dependent upon market economics. This dependency often demands attention to audience size and the need to avoid controversies that could alienate private and public funders. Complicating this is the issue of heritage--the somewhat mythic pasts which individuals, groups, and nations claim as their right, even when research challenges the underlying myths. What then are the consequences, in terms of ethics and accuracy, or in terms of civic value, when one turns history into a heritage-based commodity? More specifically, how does this affect professional historians? Can they work in history outside of academe without sacrificing integrity and standards? The seminar will debate these critical questions and also take an in-depth look at the growing field (positions, products and potential) of public/applied history. Readings, documentaries, interviews, and on-site visits to public history institutions will provide the basis for our discussions and the written assignments in this seminar as well as serve as an introductory "course" for students interested in a career in public or applied history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 287Z. Concubines, Soldiers and Field Hands: World Slavery from Antiquity to the Present. 3 Units.

For many Americans, the most familiar type of slavery is plantation slavery of the Americas and the horrific consequences to the indigenous peoples and transplanted peoples from Africa. The longevity of the institution of slavery, and acceptance of the practice by many different cultures and belief systems, however, reaches from antiquity to the present day. In addition to providing physical labor and domestic services, slaves have been used as entertainers, civil servants, led armies and served in temples. Slavery is a complex legal, religious, moral and social institution, and the relationship between slave, state and owner/slaver is equally complicated; so much so that understanding the bond between them, and what the actual boundary was between "free" and "un-free", is still difficult to determine in some cultures. In this seminar, we will use a chronological framework to examine the institution of slavery, uses for slaves, methodologies and sources for studying slavery and the slave trade in world history. Beginning with slavery in the Ancient Near East, Egypt, Greece and Rome, the class will include slavery and the feudal system in medieval Europe, indentured servitude and concubinage, slaves in the early Islamic courts, the Ottoman slave trade, the African slave trade and slavery in the Americas, and the current problem of human trafficking. Within each section, students will read primary texts and recent scholarship examining the social, economic and religious rationales behind slavery. We will also study different methodologies and the impact of gender, race and social class on the study of world slavery. As many slave cultures had different definitions for what it meant to be a slave, we will address questions related to translation, interpretation and perception when dealing with primary sources. The primary goal of the course is to provide a broader context for the institution of slavery in world history as a means not only to understand the impact of slavery has had on American culture, but on other cultures as well. Prereq: Passing letter grade in a first year seminar in FSSO, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 288B. Doing Good: How Nonprofits Change Lives. 3 Units.

The American economy is made up of three sectors: government, business, and nonprofit. It’s pretty obvious what government and business do, but the activity of nonprofits, while it is everywhere, is much more subtle. A nonprofit is most likely where you were born, went to school, attended church, or adopted your family dog. If you became an Eagle Scout, watched “Sesame Street,” attended a benefit concert, or participated in a walk for a cause, you were engaged with a nonprofit. Perhaps you haven’t given much thought to the way the organization was structured, where it gets its money, or what kind of an impact it’s really having. In this seminar, students will learn what nonprofits are, how they operate, how they influence everyday lives, and their role in advancing social change and a civil society. We will consider the economic impact of nonprofits as well as their role in protecting culture, environment, values, and heritage. We will also look at the key challenges facing nonprofits today and how they are addressing them. Writing assignments will include a grant proposal for a new or existing nonprofit. The seminar will feature guest speakers and class visits to nonprofits in the Cleveland area. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 288C. Green Transformation and Globalization. 3 Units.

This seminar introduces students to the recent major green transformation in China and elsewhere in the world, focusing on the way the green changes took place in relation to globalization, environment and climate protection, technology innovation, income redistribution, domestic consumption, and education, to meet the challenges of financial crisis, climate change, energy insecurity, and international competition. The seminar will also assess the impacts of various aspects of green transformation and globalization on today's and future world and vice versa. This seminar promotes broad knowledge of-and increased appreciation of the importance of diversity in China's cultural past, social frameworks, economic conditions, and natural environment. In a close connection to the primary readings, which include several recent relevant works, the students will be exposed to a variety of related primary and secondary materials (such as texts, photos, film clips, music, songs, and websites). In addition to receiving informative yet concise instruction, the student will also be involved in practice in critical reading and thinking, in writing and orally presenting research papers. In these activities, the students will be introduced to basic methods and concepts critical to the understanding of important economic, social, and cultural developments and changes as products of movements rather than isolated incidents. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY Courses

USSY 203. Myth, Ritual, and Society in the Ancient World. 3 Units.

This course introduces students to Greek, Roman, and some near Eastern myth as well as issues of interpreting these stories. The focus will be on myth as a concomitant feature of religious ritual. What do myths and rituals tell us about the society that generated it? What were its values, its collective memories and how do they compare to ours? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 204. System Thinking. 3 Units.

This is a seminar course in which students critically examine the way that language is used to model and analyze the social world and its organizations. System thinking is used by business leaders, economists, policy analysts and planners to represent the socio-economic world so that they can manage it. During the seminar, students will read and discuss key works that lay the foundations of system thinking and will apply system thinking techniques to a socio-economic situation of interest to them. The emphasis will be on questioning the premises of system thinking, surfacing its strengths and weaknesses, and grappling with its ethical implications. Some key ideas related to system thinking that will be explored include: information theory, cybernetics, system modeling, language, meta language, modeling and intervention in social systems. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 209. Art and Math. 3 Units.
Students in this University Seminar will explore relationships between art and mathematics. Topics include: pattern, symmetry and beauty in natural forms; symmetry and proportion in art, ornament and design; perspective and optics; number, iteration, and infinity; mathematical and computer techniques and themes in art, architecture and design. Note: This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 211. Beethoven and the Age of Revolution. 3 Units.
Beethoven's music is symbolic of the age and spirit of change which reached its zenith with the French Revolution. Fueled by political, social, and emotional reactions, his oeuvre was remarkable in every way. From the early works, imitative of Haydn and Mozart, through his truly unique later compositions, Beethoven was revolutionary in his person and in his music. The course will center around specific Beethoven masterworks which are being presented by University Circle Institutions, and student attendance at these concerts will be required. Class sessions will involve discussions concerning the historical and cultural setting, influences, and analytic investigation into these masterworks. Readings will be taken from Joseph Kaman and Alan Tyson (The New Grove Beethoven), Frida Knight (Beethoven and the Age of Revolution), and George Marek (Beethoven: Biography of a Genius). This course is directed towards the general university student, and no specialized knowledge of music is necessary, although certain rudimentary aspects of musical discourse will be covered. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 222. Writing Rock and Roll: From the Critical to the Ethnographic. 3 Units.
To write about music is finally an act of translation. When one writes about music, s/he attempts to bring a thing conceived in one symbolic world into another. The task is neither simple nor straightforward. As one musician, fed up with the critics who put pen to paper in the effort to capture his music, put it: "Writing about music is like dancing about architecture." And for a moment, this musician's point might seem apt. The experience of music, often intense, is arguably "beyond words." Why try to tame it by putting it in the cage of language? This course considers the pitfalls and the possibilities of the symbolic translation that is at the heart of writing about music. Focusing on the writings associated with rock and roll culture (1954-2005), the class will consider the multiplicity of approaches and styles used to capture music. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 226. Probability in Modern Thought. 3 Units.
The idea of probability is ubiquitous in the modern world, appearing in everything from quantum physics to business decision theory, from DNA evidence in court to the insurance industry. Yet there is controversy about the very meaning of probability itself, and any person who encounters probability—which is everyone—should be familiar with that controversy. This seminar examines what we mean by probability ascriptions. Although there will be some computational work, especially early in the semester, the seminar is not primarily a course on the mathematics of probability. Most of our focus is philosophical, sociological, and psychological, attempting to answer questions like these: In what different ways do we use the concept of probability? To what domains of knowledge can it be rightly applied? Do all legitimate conceptions of probability obey the standard mathematical axioms? How good are people at estimating probabilities? Do all the coherent uses of probability have a common conceptual core? These and other questions will be explored through class discussions and experiments, two papers, and group presentations on a variety of topics. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 227. Travel Writing on Screen. 3 Units.
Through the image of the traveler in a wide range of films, we will examine such issues as border crossing, culture shock, and the nature of memory. Topics include: The Grand Tour, pilgrimage, exile, and imaginary journeys. A group presentation, 5 short-reaction papers, and a take-home final essay are required. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 228. Women in Outer Space. 3 Units.
We will study the history of women astronauts and the representation of women as aliens and astronauts in popular culture. We will see films such as Alien, Apollo 13, and Contact, and will also read two novels. Film and women's studies theory and criticism will be used to examine the texts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 230. Sexualities, Citizenship, and Social Action. 3 Units.
This course will explore themes in both the symbolic and cultural domains. While sexuality and citizenship, in reality and in academic discourse, cuts across the areas, this course will consider methods and concepts (see syllabus for details) in the human sciences and humanities. In the humanities, students will learn fundamental ideas in the philosophy of social science. They will be taught how to recognize, in social theory(s) and theorizing, underlying arguments: ontological, epistemological, and methodological. It is not our purpose to add these ideas to our conceptual language within a discipline or to a specific topic; we will explore how they can be applied to other areas of learning and practice. They will then be applied to a current and highly controversial aspect of academic and political practice: to explore the relationship between sexuality and citizenship. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 235. Towards a New Museum. 3 Units.
How do you know a museum when you see one? How has our idea of a museum evolved, and where is it going? How do we go from mummies to multimedia? Museums are more popular than ever and include some of today's most exciting architectural designs. Explore the changing nature of museums as buildings, institutions, and cultural symbols. Uncover controversies in the museum community. Are museums sacred spaces or edutainment—or both? How does the architecture reflect what they are and who built them. Active discussion, critical thinking, local field trips, guests from local museums, and thoughtful writing are essential parts of this seminar. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 236. Romance--The Most Comic of Catastrophes. 3 Units.
From ancient Athens to Hollywood, romantic comedies have enjoyed continuous widespread popularity in the theater. In this course we will read a broad spectrum of romantic comedies, from the genre's beginnings with the Greek New Comic playwright Menander to the Roman Plautus, and on to Shakespeare. We will also watch a modern romantic comedy, Pretty Woman. We will begin the course with some ancient and modern literary theories of intertextuality and metatheatre that shed light upon the relationship between Comedy and Tragedy. Some questions we will ask in this course are: What's the historic relationship between Comedy and Tragedy? What's the connection between sex and comedy? What can Romantic Comedies tell us about the audience that is addressed from the space of the stage or screen? Does laughter depend on personal and cultural values and variables? Does comedy have a personal and social function? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 237. The Transformation of the American South. 3 Units.
The purpose of the course is to increase the student's understanding of the remarkable transformation of the American South from an isolated regional backwater committed to racial segregation to a vibrant, complex, rapidly growing, diverse biracial society that has rejoined the national mainstream. In fact, a quick look at where our national political leaders have come from recently--President Bill Clinton of Arkansas and President George W. Bush of Texas, to name the two most prominent examples--indicates how central the South has become to the nation. We will explore all aspects of the transformation of Dixie during our course. Central to the story will be political change, although, of course, politics cannot be easily isolated from social and economic life. Thus, it was a grassroots social development—the Civil Rights Movement—that gave important impetus to the key political changes that occurred in the mid-1960s and beyond, as we shall see. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 241. The Birth of the Modern: 1905-1925. 3 Units.
"The Birth of the Modern: 1905-1925" will attempt to answer the question "What is the modern?" by exploring some of the breakthrough works of literature, music, art, and scientific theory in the first decades of the twentieth century. We will study what characterizes the new modes of thinking or "language" of modernity, developed in experimental work across the arts, the sciences, and the social sciences. We will be examining some of the major manifestos of and statements about the nature of Modernism in order to see how they illuminate, for example, a novel by James Joyce or a painting by Picasso, a composition by Stravinsky, a scientific theory of Einstein's, or a psychological theory of Freud's. At the conclusion of the seminar, students will present their findings and write a research paper about "the modern" as it relates to a field of particular interest to them. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 246. How to Make a Leader. 3 Units.
Leaders are both born and made. Some seem to naturally know what to do and some need to study and practice to gain the necessary skills. Both groups can be successful and it usually requires a combination of natural ability and effort to become the very best. Leaders often point to role models as being important to the development of "natural" or acquired ability. This course is appropriate for both those who are intellectually curious about leadership. The course will be divided into three sections. The first part will involve reading and discussions to explore and identify what leaders are like and what they do. During the second part you will observe leaders in action and talk to them about what they think makes them successful. Some examples of what you may observe will include a surgeon in the operating room (theater), a coach with his/her players, an executive in the board room, a concertmaster with his/her musicians and a judge in a courtroom. The third part of the course will involve readings and discussions during which you will develop a personal approach to the level of leadership to which you aspire. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 250. Medical Narratives. 3 Units.
This course examines the relationship between medicine and narrative by exploring the representational structures and narrative conventions that have been used to understand and communicate the experience of illness, to tell stories about the human body, and to diagnose and treat disease. The course focuses on literary texts (including novels, plays, short stories and memoirs) written by doctors, patients, nurses and creative writers, as well as on medical case histories from different cultures and historical periods. It examines such topics as the uses of narrative in medical practice; the uses of metaphor in conceptualizing and representing disease; the ethical dilemmas posed by medical research and practice; the therapeutic value of narrative; the structural similarities (and historical links) between detective fiction and medical case histories; the imaginative function of illness in literature; the cultural myths and iconography of disease in different historical periods; the representation of physical and mental illness and the human body in language and art, and cultural responses to major health crises such as bubonic plague, syphilis, and AIDS. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 254. Nonverbal Communication. 3 Units.
Our purpose is to explore the nature of nonverbal communications and analysis in several different contexts. Because nonverbal communication is so closely related to emotional processes, we will also become acquainted with basic ideas surrounding communication and emotion. Within this framework, we will discuss and apply a variety of theoretical approaches to understanding this channel of human communication. Upon completion of this course, students will have a better understanding of decoding and encoding nonverbal messages. Additionally, the student will have a thorough understanding of the functions of nonverbal communication in social and rhetorical life. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 260. Divisiveness or Dialogue: How We Deal with Difference. 3 Units.
Students in this seminar will explore how the language and images that shape our national discourse contribute to the increasing polarization of American society. What techniques do partisan media manipulators, including politicians, political pundits, bloggers, documentary film makers and televangelists use to shape the perceptions of their audience to reflect an "us vs. them," "good vs. evil" worldview? Students will also learn how individuals like Martin Luther King and Robert Kennedy used language and imagery to draw us together, and we will explore and practice the use of dialogue as a method of non-polarizing communication in discussions of contemporary issues. The primary reading will be "The Argument Culture," by Deborah Tannen, a well-known, linguist, and this will be supplemented with articles on dialogue and social psychology. In addition to these readings, the class will view samplings of recent documentaries, political speeches, print and television punditry. Students will be asked to write several papers designed to help them identify polarizing language and see through its manipulation. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 264. Censorship and Iconoclasm. 3 Units.
How are new symbols created out of the ashes of the old? In this seminar we explore the history and interpretation of the destruction of images. We will consider several diverse world historical cases studies: from Byzantium and the Reformation to Islamic art, the Modernist avant gardes, and attacks against monuments during the fall of the Soviet and apartheid ideologies in Russia and South Africa. We will read classic theoretical texts on the question of iconoclasm, and examine the connections between a number of categories of the "Image" that often share symbolic destruction as one of their important aspects: propaganda, pornography, avant-garde art, and censorship. We will also explore how destruction is integral to the creation of new symbols, new ideas, and new ideologies. This seminar is reading-and writing-intensive. It is a student-led reading group whose object is to understand the symbolic life of destructive acts and the destructive life of symbolism. Individual students will be responsible for introducing readings and initiating class discussion several times during the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 265. Nature Writing: From the Arctic to the Gulf Coast. 3 Units.
From the Galapagos to the Arctic, from the Laguna Pueblo to the barrier islands of Mississippi, the course explores the territory of "nature writing." We'll read Aldo Leopold's account of life in a Wisconsin "sand county," a short book nicknamed "the environmentalist's Bible." With Barry Lopez as our guide and interpreter, we'll imagine visiting the frozen tundra. In a memoir of life with the artist and nature writer Walter Anderson, we'll ponder the limits of passion and sacrifice. Through reading a poetic novel by Leslie Marmon Silko, we'll experience an unforgettable vision of a journey toward salvation and harmony. Additional readings include essays, poems, and other short works, plus a survey of commentary from interdisciplinary fields like environmental ethics; ecocriticism; feminism; and biography. We'll visit Cleveland nature centers and museums, and we'll hope to have a few guest speakers. After several short assignments (both written and oral), each student's individually designed research project will recommend a specific means of integrating nature writing into the activities of a local organization or school. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 267. Medieval Love Songs: Poetry, Music, Spirituality. 3 Units.
In the high and late Middle Ages (c1100-c1450), love songs accounted for much of the poetry and music composed at the secular courts and urban centers of Europe. At the same time, spiritual love songs were an important element of medieval Christian theology and worship. What may surprise a modern audience is that the worldly love songs were often intensely spiritual, while the religious ones were often highly sensual and erotic. This seminar investigates the convergence of worldly and spiritual elements in the poetry and music of medieval love songs. Students will learn basic tools for analyzing medieval poetry and music, and through such analysis, coupled with discussion of readings from the scholarly literature, they will explore the provocative interactions between literal and allegorical, sacred and profane, and ascetic and erotic elements in medieval culture. Primary texts will be drawn from Bernard of Clairvaux's commentaries on the Song of Songs, the courtly lyrics and melodies of the troubadours and trouvères, and the lyric poetry of Dante, Petrarch, and Boccaccio. No prior musical training required. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 273. Intellectual Property: Pirates and Privateers. 3 Units.
We take it for granted that our cars and camels are our "property" but what about intangible objects like poems or songs on CDs? In this seminar we will examine the development of this relatively recent form of property through the lens of piracy. We will begin with piracy on the high seas. Through analysis of historical, literary, and cinematic representations of piratical activity in the early modern era we will develop a critical methodology to aid us when we turn our attention to the newer "intellectual" property. Intellectual property is rapidly becoming the linchpin of the burgeoning global "information economy," and the U.S. is among its staunchest and most powerful enforcers. Yet only a century ago the U.S. was itself a pirate nation. After examining this piratical moment in the history of intellectual property we will turn for comparison to a selection of present-day transgressions--from peer-to-peer file sharing, to Asian software and CD/DVD bootlegging, and South American patent busting. Our aim will be to develop an informed position in the current public debate about the legitimacy and limits of private ownership of ideas in our globalizing information economy. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 275. Colors, Capes, and Characters: American Comics Symbolism. 3 Units.
The history of the comic book is a vital site for critical questions about intersections of art and popular culture in America. In this course we will not simply read “funny books,” but will examine a genre that is as unique as its many colorful protagonists: from Popeye to Superman, Wonder Woman to the X-men, comics have given us larger-than-life characters who are often caricatures of dominant (and sometimes subversive) American ideologies. We will learn not only the history of this unique genre, but will interrogate what it means to truly read comics artistically, politically, culturally, and symbolically. At heart, reading comics in an exercise in interpretation: given visual symbols, what meanings can we take from them? What can comics tell us? And how can we write about them in intelligent, critical ways? In this course we will learn to approach comics through critical thinking strategies; that is, questioning what they are, what they say, and where they come from. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 278. Cognitive Estrangement: Science Fiction and Otherness. 3 Units.
The idea of estrangement or alienation is seen as being central to science fiction; after all this is a genre that explores worlds that are different from ours. However, influential theorists of the genre have made the claim that science fiction offers ways of representing the present while appearing to be focused on the future. According to Darko Suvin’s classic definition of science fiction, a tension between cognition and estrangement is built into this genre. The alien worlds of science fiction are perhaps not that strange and distant from our own, even when they seem to be on the surface. In this seminar, we will read a variety of science fiction texts in order to explore the idea of cognitive estrangement that is crucial to these narratives. We will also attempt to situate these narratives in specific historical and cultural contexts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 279. Navigating Contemporary Art. 3 Units.
Art has always had a shifting, complicated relationship to the general public. In today’s world, contemporary art is sometimes regarded as a detached, self-reflexive, and elite mystery reserved for in-the-know connoisseurs and aspiring scene-makers. Yet there are many points of entry for meaningful dialogue about the art, the artists, and the audience that comprise the world of contemporary art. This seminar will explore the critical and cultural contexts that can help foster this conversation. It will include visits to local museums, galleries, and artists’ studios, and culminate in a tour of the Progressive Art Collection. The goal of the seminar is to inspire a genuine interest in contemporary art and provide students with the tools required to think, speak, and write more clearly about it. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 280. Passport to Eastern Europe. 3 Units.
Images and texts shape rather than merely reflect the world and its geopolitical structures. Novels, films, and myths make significant contributions to the varied ways that people make sense of continents, nations, and other (often too conveniently used) geopolitical categories such and the East and West. After considering the ways in which the European continent has been imagined over the centuries, we will explore texts and films that have contributed to the invention of East Central Europe and the Balkans and continue to shape our understanding of the eastern parts of Europe. The class will include analyses of current news coverage of this area to unpack representations disseminated by the media and to reflect on the forces that aim to shape our understanding of geopolitical entities. Ultimately, the course hopes to address geopolitical assumptions, evaluate cultural contexts, and help you think critically about the constructed nature of geopolitical categories. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 281. Defining the Animal. 3 Units.
Since the Darwinian revolution of the mid-nineteenth century, the relationship between humans and animals has become an increasingly significant area of inquiry in fields as diverse as literature, the fine arts, anthropology, evolutionary theory, the biological sciences and philosophy. In this course, we will explore the way humans have sought to understand and explain the animal, beginning with several contemporary ethical debates surrounding animal treatment. Such works will lead us to a range of related social and institutional places and practices, such as the zoo, the insane asylum, biometrics, the treatment of women, and the concentration camp. At the same time, we will examine the way artists, writers and filmmakers explore the human/animal divide through painting (Franz Marc, Marc Chagall and Max Ernst), literature (Franz Kafka, D. H. Lawrence and Rainer Marie Rilke), and cinema, through representations of a donkey (Bresson, Au hasard Balthazar), a fly (Cronenberg, The Fly), a Great White shark (Spielberg, Jaws) and a grizzly bear (Herzog, The Grizzly Man). We will end with J.M. Coetzee’s The Lives of Animals, which moves seamlessly between moral philosophy and literature, tying together a wide variety of concerns and themes raised throughout the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 285F. Embattled Images of War. 3 Units.
Throughout history, from Pompeii to Abu Ghraib, images of war have captivated, inspired, shocked, and repulsed viewing audiences. As historical reflection, propaganda, documentation, a call-to-arms, a plea for peace, and/or personal creative expression, many of these images are fraught with controversy, questions of intentionality, integrity, and multiple agendas. From Pollaiuolo to Ken Burns, this course will examine how artists have confronted large-scale human conflict over the centuries in paintings, sculptures, and prints, photographs and film as a way to consider the cultural and historical effect of war images within and outside the original context in which they were produced. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285H. Renaissance Figures. 3 Units.
This course explores the period of European history from 1400 to 1600. Is this period better understood as the Renaissance, the "rebirth" of Antiquity, or the Early Modern Period, the emergence of a world that leads directly to our own? We will look at the period and its famous figures from two different perspectives: Machiavelli in a bio-intrro and in his work, The Prince; Luther as history's first best-selling author (the importance of the printing press) and in John Osborne's play; Elizabeth I in a short biography and a recent "Hollywood" bio-pic; Galileo in the historic accounts and in Bertolt Brecht's play; Joan of Arc in a short biography and Bernard Shaw's play; and Hamlet, the play and the character, in text and performance. Do the two different representations present two different people (characterizations) or a unified composite that we understand in greater depth? Do Shaw, Brecht, and Osborne depict three figures from the period to understand better the person, the history, or the 20th Century/Modernity? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285I. Representing the Immigrant. 3 Units.
For many the world over AMERICA is a dream, a powerful myth, whether imagined through TV and movies, metaphors such as The Gold Mountain, or as symbolized by the Statue of Liberty. Following those visions may lead to success or disenchantment or both. Through fiction, memoir, films, and photographs we will explore the experience of immigrants: the tensions, generational conflicts, and difficulties with communication and culture their families undergo. We will examine expressions of those varied and complex experiences, especially how language represents them. We will also look at the significance of language itself--think about what and how words mean, and the difficulties of linguistic and cultural translation. Students will share their reactions to what we read and see in class discussion and also in writing informally, even (if they wish) personally. Formal requirements: two shorter analytical papers and a longer paper using sources and possibly interviews, also to be presented in oral reports. There will be conferences on papers and revision. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 285K. African American Performance. 3 Units.
This course follows the historical trajectory of African American performance from slavery to the present. The "texts" of the course are wide-ranging, and include poems, songs, stage plays, stage musicals, comedy acts, films, and music videos. Our objectives are to understand the nature of performance, how performances and their meanings changed over time, how media were adapted to serve historical people's needs, and what performances can convey about performers and audiences. Through the course, students will build an understanding of the history and evolution of American and African American cultural production, while developing tools to analyze the arts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285N. The American Dream: Real and Imagined. 3 Units.
What is meant when we or our leaders talk about "the American dream"? Is it a political cliché, a myth, or something fundamental to our national ethos? In this seminar students will explore what is meant by "the American dream." We will pose the questions: how it has been defined by artists, writers, political leaders, immigrants and the native-born; how it has changed over time; and to what extent the dream is real and/or imagined? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285Q. The Documentary Impulse. 3 Units.
The course is structured around a historical overview of documentary film from 1920 to the present. We begin with Robert Flaherty's Nanook of the North (1922) and focus on a different documentary style each week, from the city symphony films of the late 20s and early 30s (Jean Vigo, On the Subject of Nice, 1930) to avant-garde experiment (Dziga Vertov, The Man with a Movie Camera, 1929), to cinema verite (Rouch and Marin, Confessions of a Summer, 1955) and its effects on the French New Wave (Jean-Luc Godard, Breathless, 1959). Other style will include direct Cinema (Drew and Pennebaker, Primary, 1960), the improvisational style of John Cassavetes, the use of time-lapse photography (Reggio, Koyaanisqatsi, 1982), and, finally the documentary (Bob Roberts, 1992).
The course will emphasize the importance of ideology, bias, and efforts to capture the "real" through the work of Leni Riefenstahl (Triumph of the Will, 1935), and 1970's examples of Third Cinema in Cuba, Brazil, and Argentina. Each student in The Documentary Impulse will be required to create on five-minute video using a particular documentary mode examined in class, paying attention to ideology, narrative structure, transitions, sounds, and video editing techniques. The final project will use either found stills, or newly shot filmed images, and will include a sound track either from the Freedman Center's archives, or of the student's own creation. Equal time will be devoted to written assignment that analyze the documentary style of particular films. The first half of the course will include a weekly film screening in KSL; after midterms, the location will alternate with the Freedman Center, where students will spend time creating and editing video projects. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285R. Crime and Punishment in German Literature. 3 Units.
How societies define and punish crime is related to a web of interconnected considerations including the form of government, the legal code, social mores, evolving conceptions of justice, the purpose of punishment, and attitudes toward individual criminals and criminality in general. These social, historical, and ethical norms give rise to questions such as: What constitutes a crime? How is the violation of the law different from or similar to transgressions of morality or ethical norms? What is the purpose of punishment and why is this important? To what extent are we interested in the circumstances that lead to crime? In what ways is punishment an insufficient answer to crime? This course will explore the social and historical questions raised by the perpetrators and victims of crime as well as attending punishment in the literary works of Friedrich Schiller, Heinrich von Kleist, Annette von Droste-Hulshoff, Franz Kafka, Bertoldt Brecht, Primo Levi, Hannah Arendt, and Bernhard Schlink. Focusing on short stories, detective fiction, novels, drama, and personal essay, we will pay particular attention to the way that criminal transgression is defined, the role of society and history in producing criminals, when and why punishment is justified or necessary, and the degree to which these resolutions are "just." Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285T. Art, Music and Culture. 3 Units.
This course uses the intersections of art and music as a way to understand how the arts reflect, interact with, and influence the cultures in which they develop. After an introduction to research and writing in the arts (week 1), the course continues with a survey of certain historical periods and masterpieces of European and American art and music from 1700 to the present (weeks 2-6). It then takes up a few important themes in the interaction of music and the visual: 1) the concert hall as the intersection of architecture and acoustics (week 7); 2) the art museum and its music (week 8); 3) music and film (week 9); 4) the Broadway musical (week 10), and 5) rock music and its artifacts (week 11). A full week (12) of instruction on writing and oral presentation then prepares students for a seminar paper and seminar report, the creation and refining of which constitutes the final phase (weeks 12-15) of the course. Requirements and activities include, in addition to the seminar paper and report, a series of activities including three optional and three required events centered on the Cleveland Museum of Art and its concerts, the Cleveland Orchestra at Severance Hall, and the Rock and Roll Hall of Fame Museum. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285U. Popular Music and Film. 3 Units.
This course takes an interdisciplinary approach to studying music in American film. Students will learn to analyze film and music with greater sophistication, to contextualize them in time and place, and to interpret their meanings. The films predominantly feature jazz and popular music. We will discuss several aspects of a film: filmmaking techniques, visual composition, the film's available interpretations, audience reception, and so on. We will also discuss musical composition and performance, artists' self-representation, the link between music and commerce, and so on. Course sources include films and critical literature. The primary focus of the class will be on the ways music and film intersect as entertainment and art. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
SAGES Courses

USSY 285V. Castaways and Cannibals: Stories of Empire. 3 Units.
Through a study of texts that exploit "new world" images like the castaway, the cannibal, the wild man, and the exotic woman, this course explores the ideologies that propelled nineteenth-century imperialism, particularly regarding the British in Australia and South Africa. The class will consider how British settlers made "homes" in hostile and unfamiliar climates, how they addressed the problem of unfriendly and unequal contact with indigenous peoples, and how contemporary novelists reevaluate the historical past. The course will work under the premise that contemporary geopolitical realities have been shaped by the imaginative work of British colonialists who, under the principle of terra nullius or "no man's land," claimed the land and the resources of these southern territories and dismissed the very existence of the indigenous peoples that populated them. The scope of the course will be broadly historical, exploring works that participated in British imperialism, as well as those that take a modern perspective. Course materials will be drawn from a variety of genres, including fiction, poetry, film, ethnography, natural history, history, and criticism. Ultimately, students will consider how narratives participate in the shaping of reality and of real-world relations of power. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285X. Living in the Digital Age. 3 Units.
Digital technologies have changed the world we live in. This brave new world is populated by new-media, video, games, and social networks. To survive this world we need a vocabulary of criticism and authorship, a "New Media Literacy" that we can use to effectively and efficiently embrace our roles as both artist and critic. This course explores a wide variety of New Media themes in both contemporary and historical contexts. Students in the course will analyze the way New Media and digital technologies are changing our relationship to New Media as both viewers and creators. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285Y. Musical Acts: The Performer in Western Culture. 3 Units.
Much of music history emphasizes the text/composition and its author/ composer. Yet music is unique among the arts in that a musician must bring the work to life; arguably, a piece of music can only be said to exist in real time, in performance. This course will examine musical performance as it has evolved over the centuries and consider how thinking about performance and performers continues to change. Although an understanding of the rudiments of music will be helpful, students will not need advanced training in music for this course to be of interest. Readings will include historical accounts and reviews as well as articles about performance and musical aesthetics. Further sources will be recorded audio, video and live performances, as well as interactions with performers (and teachers of performers) from the Cleveland Institute of Music and the university's departments of music, theater and dance. The interests and needs of the students will help set the tempo and line of our class discussions. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285Z. The Ubiquitous Frankenstein. 3 Units.
This seminar will explore the birth, evolution, devolution, and undead nature of the Frankenstein myth in popular culture. Using Mary Shelley's novel, her source texts, 19th- and 20th-century critical accounts, and 19th- and 20th-century popular cultural manifestations, the seminar participants will discover how "Frankenstein" found its way into the Western mind and continues to provoke responses both in those familiar and in those completely unfamiliar with the novel. The course will touch on issues of literary influence, science/technology, religion, ethics, education, literary merit, popular culture relevance, and adaptation as art form. Central questions for the seminar include: (1) Does the Frankenstein myth as we perceive it today have anything to do with Mary Shelley's original novel? (2) What were the moral and ethical implications of Shelley's novel for her time and for the generations afterward? (3) Is an "accurate" film adaptation of a literary work possible or needed? (4) Is being ubiquitous a blessing or a blight for a literary work? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286C. How Photos Shape What We See. 3 Units.
Because of both its special ability to convince and its ubiquity, photography has had a major impact on the way we view the world, and particularly in our view of "the other." Just like other major forms of discourse, photography should be approached with a thoughtful and critical attitude. Some of the techniques of critical looking are different from the techniques of critical reading, but the fundamental tasks are very similar. The aim of this seminar is to help students develop an awareness of why and how photographs are such effective media of communication, and to help them develop an ability to read photographs critically. This is, of course, set within a general context of developing critical reading and writing skills. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286J. Creativity and Constraint. 3 Units.
The purpose of this course is to explore creative problem-solving as it relates to different disciplines and types of problems and to encourage a passion for finding best solutions, not merely obvious ones. We will use and evaluate case studies of real-world projects and complex decisions, readings about creativity, firsthand accounts from creative professionals, and in-class exercises to hone strategic thinking skills. The seminar is specifically concerned with how constraints--ranging from budgets and schedules to the laws of physics--can encourage, rather than inhibit, creative solutions. But we will also consider general questions about the process and psychology of problem-solving. Areas of investigation will include steps in establishing problem scope and defining and recognizing successful solutions; the dynamics of group versus individual problem-solving; and strategies for communicating complex ideas to teammates and leading the creative process. Students will be expected to participate actively in shaping class discussions and activities. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 286S. Shakesploitation of an Icon: Four Hundred Years of Shakespeare Marketing. 3 Units.
Following the interregnum in England, William Shakespeare began a long, sustained trajectory as a cultural icon, first in England, but eventually among all English-speaking cultures. In the process, Shakespeare's works have been reinterpreted, adapted, re-contexted, commoditized, and re-purposed for the sake of art, educational relevance, and entertainment. In the process, Shakespeare has often become the tool of unabashed commercialism, a practice which has come to be known as "Shakesploitation." But why is Shakespeare's work so frequently purloined? Why are we out of context references to him so ubiquitous? Why do people tend to equate the name of Shakespeare with qualities of genius? Why have his works been continually adapted (often shamelessly) not only for the stage, but into other genres, including operas, paintings, novels and films? How do we account for the proliferation of Shakespeare-based self-help books such as Shakespeare on Leadership? Why is the infant stimulation video Baby Shakespeare a best-seller? This course will explore these questions not only by reading a selection of Shakespeare's most enduring works, but also by examining criticism, adaptations, and marketing strategies that have been applied to Shakespeare's image and works over the last four centuries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286U. Puzzled. 3 Units.
"Puzzled" will look at the practice of puzzle making and puzzle-solving and explore the meaning of puzzles for different cultures throughout history. We will read works from the disciplines of math, history, anthropology, philosophy, and literature. We will explore why certain types of puzzles became popular and how puzzles have transferred from one culture to another. We will examine the role of code writing and code-breaking in the military and in the world of business. We will read examples of fiction and watch films that adopt the form of the puzzle as a narrative device. We will think about the function of puzzles as instruments to exercise the faculties of reason and logic and as a means of leisure or pleasant distraction. Students will be asked to both solve and create puzzles over the course of the semester. They will write analytical essays on topics related to the practice and history of puzzle making and puzzle solving, and they will pursue a research topic that revolves around an issue or problem that has "puzzled" them. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286V. Food Craze: (No) Reservations. 3 Units.
The great number of food-related TV-shows indicate an unprecedented interest in questions about and fascination with food; in fact, these TV shows allure viewers with the appeal of a myth: eating involves discovery (Anthony Bourdain's No Reservations, On the Road Again with Mario Batali, Planet Food), thrill (Bizarre Foods), or "supernatural" competition (Man vs. Food, Top Chef). These television shows and food-related writings that accompany them in earnest "worship" food and often promote ideas of multiculturalism by which exciting and novel locales, foods, and meal preparatory techniques are discovered. The objective of this course is to "indulge" in these shows and food writings and scrutinize them: What explains such fascination with the viewing of and reading about food? In what ways can food-exploration trips expand on ideas and critiques of multiculturalism and globalization? What explains the centrality and "mythical" nature of food in the twenty-first century? To begin these conversations, we will touch on a plethora of food writing works including works motivated by environmental and health concerns such as Michael Pollan's essays. Then we look at the world of cookbooks (including the cookbooks of Julia Child and Rachel Ray), food blogs and TV-shows, and essays by Bill Buford and Calvin Trillin among many others. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287F. Telling True Stories: Literary Journalism in America. 3 Units.
Literary journalism is a genre of nonfiction writing that employs all of the reportorial and truth-telling covenants of traditional journalism, while employing rhetorical and storytelling techniques more commonly associated with fiction. In short, it is journalism as literature. This course will introduce you to major themes in American literary journalism, the genre's representative writers, and the enduring questions of the field. For example, we will ask how these stories work as narratives, as scientific explanations, as political tools, and as entertainment. How do these categories overlap? How do they motivate us to act? Where are these stories published and who is the readership? How do historical and cultural contexts influence and appear in the works? What is the relationship between (literary) journalism and democracy? What is the relationship between form and content? Is there a difference between physical truth and emotional truth? In the process of answering these questions, this course will emphasize close reading, interdisciplinary thinking, and the writing process. Through reading assignments, class discussions and presentations, and paper writing we will have the opportunity to examine, analyze, and develop our own interpretations about these multifaceted writings and the diverse cultural experiences and meanings they chronicle. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 287G. Shadowplay/East and West. 3 Units.

Shadows flicker across the screen, drawing us back to the precursors of the cinema and forward to digital effects. To borrow Gorki's phrase, the cinema is truly a "train of shadows." This course focuses on interactions between shadow theatre, dance, visual arts, the cinema, and traditional forms of play. While the main focus is on traditional artistic forms, we also explore modern variants, including the use of shadows in contemporary photography. We will look at shadows in different (yet overlapping) contexts, and compare the effects of still and moving shadows. All of these contexts involve moments of narrative and silence. Through a series of short papers which will be integrated into a longer paper, each student will explore his/her approach to a central question: What does it mean to play with shadows? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287H. Cityscapes in 20th-Century and Contemporary Visual Culture. 3 Units.

This seminar will explore the dynamic meanings of modern and contemporary urban environments through visual representation. What does a city look like? As great complex entities of constant change, we will see that cities have been portrayed in a myriad of ways. What social ideals have engaged the vision of architects, urban planners, and landscape designers in the making of the metropolis since the late 19th century? How have artists interpreted major cities as sites of modernity, technological advancement, civilization and cultural vanguard; or, in contrast as sites of failed experiment? How can forms of representation help us envision the entirety of urban spaces of diverse geographies, including typically un-aesthetic forms of fringe areas, the abandoned zones of prior use, and infrastructures? What recent developments in convergent media might be employed as catalyst for achieving an enhanced understanding of the interrelationship of urban structures, spaces, and human need? Our chief objective is to begin to comprehend the enormity of these questions. Thus, we will view and discuss selected examples of architecture, design, art, photography, film and video, in essence sampling the roles they have played in the process of conceiving and imagining the design and significance of cities. Our examination of visual material will be organized over the course of the semester according to three major overlapping themes: the utopian and visionary city, the visual culture of cities, and the emerging city. The methods by which we will seek to interpret the visual component of our studies in the three categories will be adapted from the perspectives of visual culture, urban studies, urban design and landscape urbanism, and architectural history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287M. Literature of 9/11. 3 Units.

Nearly 10 years after the September 11, 2001 terrorist attacks, politicians, economists, artists, and educators continue to use the umbrella term "post-9/11" to describe our general cultural sensibility. Yet, what does it mean, specifically, to live in a "post-9/11" America? How have the cataclysmic events of that day altered our political and intellectual points of view? In this course, we will explore these questions by considering how novelists, poets, and other writers have and continue to represent September 11th. We will analyze techniques used to narrate the story of 9/11, investigating how American cultural values--or critiques of such values--influence the aesthetic choices that writers make. Our course will begin chronologically at "Ground Zero," as we examine representations of the immediate urban trauma while exploring the tensions between memorial and commemoration, spectacle and commercial pursuits. We will then focus on works by both American and international authors addressing the days and months following the attacks. We will examine how America is depicted with respect to its foreign policy and domestic politics, paying particular attention to the space of the "home." In addition to novels, short fiction, and poetry, we will read cultural criticism and some philosophy. Students will be given additional opportunities to explore film and other visual or new media representations of 9/11. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287N. Fantasy and Philosophy. 3 Units.

Fantasy novels and films can be philosophical catalysts. One can read philosophical arguments and debate ethical and epistemological issues. Or, one can become immersed in a work of art and imagination that presents a fiction expressing the same profound human issues. Such a work dramatizes philosophical debates and conflicts, and hurls readers and viewers into poigniant, gripping, suspenseful, horrific, or beautiful stories that convey those very same struggles with truth and morality. Indeed, while many philosophical works are inaccessible to everyone but those with a specialized vocabulary (or prescient ability to discern tortured language), literary and cinematic works actually stimulate a different part of the brain. The ideas are conveyed and processed differently, and this is why works of fiction can have such poigniant and lasting effects on the emotions, provoke us to meditate on the grave and constant in human suffering, and revisit those works as we relive our own struggles with truth, morality, love, identity, conflict, violence, and death. In this course students will read short works of fiction and philosophy, and watch films that delve into philosophical issues. These include selections from The Seventh Seal, Dr. Strangelove, Lord of the Rings, Harry Potter and the Half-Blood Prince, Star Trek, Futurama, House, M.D., True Blood, Dexter, Woman in the Dunes, The Denial of Death, The Dharma of Dragons and Daemons, Death's Dream Kingdom, Thus Spake Zarathustra, Philosophy and the Mirror of Nature, Serial Killers and Philosophy, and The Bhagavad Gita. Students who have taken USSO 286W for credit may not take this course. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 287O. What is Art for?. 3 Units.
Together we will study a crucial and distinctive aspect of the human mind: the uniquely human ability to engage in the production and reception of art. This course will explore human responses to artistic works in a wide range of media: literature, music, painting, and performance. Some of the larger questions we will be addressing in this course are the following: What is art for? Is art simply a kind of cognitive play that refines behavioural options over time? How is art related to (or dependent on) simulation, empathy and aspects of social cognition? What precisely can science contribute to explaining the aesthetic response and the artistic impulse? What, given the inherent constraints on human creativity imposed by human cognitive abilities, are the unique artistic conventions that contribute to experiencing a work of art as a work of art? What are the conceptual, intentional, emotional dimensions of art, manifested as they are in artistic creativity, talent and appreciation? Like most big questions, these are addressed in different ways by the disciplines of psychology, neuroscience, evolutionary biology, philosophy, and aesthetics. By exploring some collisions among these multiple perspectives we will learn more than through any single perspective. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287T. King Arthur’s Days and Knights. 3 Units.
Few legends have remained popular and vital as long as the story of King Arthur has. Beginning with brief references in sixth-century histories, Arthur has risen again and again in medieval adventure stories, Victorian lyrics, and contemporary cinema. Over thirty-five films, in fact, have depicted the adventures of the Round Table. How can we explain this phenomenon? To investigate this question, this seminar will trace the development of the legend from its oldest remaining written manifestations to the present day. A chronological approach will allow us to see how Arthur’s story accumulated new elements over time, including the famous love affair between Lancelot and Guinevere and the equally famous quest for the Holy Grail—neither of which appeared in the earliest versions of the story. We will discuss topics such as what Arthur has represented at different periods in time and how his story changes when it is retold in different genres and media. We will also consider how writers have adapted Round Table stories to suit political and social agendas. Finally, to broaden our perspective we will spend a unit exploring legends from a variety of cultures and comparing their presentation of heroism. Texts will include Sir Gawain and the Green Knight, pieces of Sir Thomas Malory’s The Death of Arthur, the indispensable Monty Python and the Holy Grail, and portions of its new incarnation, Spamalot. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287X. Paris in the Arts. 3 Units.
Since the late eighteenth century, Paris has been a favorite subject for visual artists and writers alike, as well as the birthplace of several seminal artistic movements, such as Impressionism, Cubism, and the New Wave. This course will use representations of Paris in the arts as lenses through which the identity and recent history of this major city will come into focus. Further, stories, photographs, and films that stage the city of Paris and its people will also allow us to explore the broader relationship between art, the city, and the plight of modern man. The course will include a wide range of artworks, from mid-nineteenth century photographs documenting the destruction of Medieval Paris and the advent of a rational capital, to stories chronicling the fate of hopeful newcomers, and films where the city is treated either as intimate landscape or impersonal grid. The course will be both discussion based and writing intensive: students will be encouraged to envision class participation and writing assignments as means to analyze collaboratively, as well as individually, the material at hand. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288I. Diversions: Experimental Stories and New Media. 3 Units.
In this course, students will study works in which the authors and artists have experimented with traditional linear forms and created stories that are, for instance, labyrinthine, framed, collaged, geometrical, digressive, and even networked. Further, stories, photographs, and films that stage the city of Paris and its people will also allow us to explore the broader relationship between art, the city, and the plight of modern man. The course will include a wide range of artworks, from mid-nineteenth century photographs documenting the destruction of Medieval Paris and the advent of a rational capital, to stories chronicling the fate of hopeful newcomers, and films where the city is treated either as intimate landscape or impersonal grid. The course will be both discussion based and writing intensive: students will be encouraged to envision class participation and writing assignments as means to analyze collaboratively, as well as individually, the material at hand. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 288J. Cultural Representations of Violence. 3 Units.
The twentieth century was arguably the most violent in human history. That legacy has carried into our own time: from 9/11 to school shootings to the recent conflict in Libya, violence surrounds us. But what exactly is violence? How is it that we all recognize it when we see it? How do we represent it to ourselves? Most importantly, how do we make sense of it? Can we make sense of it? This class will explore these questions by studying the uneasy role violence plays in literature, film, performance art, and other cultural productions. As we do so, we will consider two central and potentially conflicting ideas. On the one hand, violence tends to resist our abilities to represent it; any depiction seems somehow inadequate to the real thing. At the same time, representations of violence surround us constantly, and for any number of political, cultural, and social reasons. Thus, violence in modern and contemporary culture is paradoxical, both permeating and resisting our imaginations. Through class discussions, written responses, presentations, and independent research projects, we will explore these and other ideas, considering how art attempts to comprehend violence and how artistic representations of violence relate to (implicate?) their audience. Although our focus will be largely on art, and primarily literature, our approach will be necessarily interdisciplinary. Be prepared to weigh in on topics as diverse as politics, aesthetics, philosophy, gender and sexuality, war, trauma, and colonialism. Undoubtedly, violence can be a painful subject, but the goal of our seminar is to pursue a rigorous intellectual and imaginative inquiry into one of the most pressing topics of our time. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288K. Hiroshima: History, Memory, Representation. 3 Units.
On August 6, 1945, when the U.S. first used nuclear weapons against Japan, the name “Hiroshima” ceased to designate merely a place, and came to signify an event, an anxiety, and a prognosis for the future. This course seeks to interrogate the various and overlapping discourses which constitute the symbolic nexus around Hiroshima—and, to a lesser extent, Nagasaki. We will be asking how the event of the bombing has been understood according to different disciplinary perspectives (history, psychology, literature, and film) and how it is represented from both American and Japanese perspectives. Accordingly, our investigation will be an intensely comparative attempt to answer the question: if there is something like what Robert Lifton calls “the atomic bomb experience,” then how is that experience captured in different forms of cultural expression? Or, perhaps more importantly, how do these cultural objects speak to an ongoing negotiation with historical trauma in the present? What differences and similarities do we find among different, cross-cultural encounters with the atomic bomb? Our investigation into the politics of representation around this event will lead us ultimately to ask whether it is even possible to capture the novelty and horror of an event that in many ways exceeds language altogether. After orienting ourselves to the history of the bombings and the psychological and philosophical issues at stake in them, we will turn to some of its canonical representations in John Hersey’s Hiroshima and Masuji Ibuse’s Black Rain. From there, we will look at Yoshihiro Tatsumi’s graphic novel Goodbye. And we will conclude with the cinematic representations of Alain Resnais’s Hiroshima mon amour and Ishiro Honda’s Godzilla. As a University Seminar, the course will also include substantial instruction in research and writing, leading to students’ production of a medium-length research paper which they will work on throughout the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288R. Cultural and Ethical Issues in American-Chinese Business Relations. 3 Units.
The American and Chinese economies are the two biggest economies in the world. The Chinese economy is the fastest growing large economy in the world. The dynamic American economy is unique in its combination of large multinational enterprises and small entrepreneurial firms. The American economy is characterized by a vast private sector, the rule of law, and the largest private capital markets in the world. The Chinese economy is 30 years into a period of reform from communist industrial organization to “socialism with Chinese characteristics”, which includes a significant role for the private sector. The Chinese economy is still under the tight control of the Chinese Communist Party, a one-party dictatorship. When Americans go to China to do business, they find the cultural, social, political, and moral systems vastly different than what they are familiar with. Transparency International Ranks China 27 out of 28 of the most corrupt large economies in the world. In China, bribery of government officials and kickbacks to sales and purchasing managers is common. Key questions we will investigate are: 1. In what ways are the two business systems similar and different? 2. What is the nature of Chinese social relations? How do they differ from American social relations? What effect do they have on business? 3. What is the nature of the Chinese political system? What impact does it have on business in China? 4. How do American business people negotiate the Chinese business system? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 288V. Seclusion, Gender and the Exotic: Imagining the Harem. 3 Units.
When the term "harem" is invoked, the first image that comes to mind is of scantily clad women living in sequestered opulence in some exotic, yet vaguely "Eastern" place. This image has been reproduced and perpetuated through art, literature and music to the degree that even today, familiar themes of seduction, passivity and mystery related to the harem can be found throughout popular culture. Historically, gender segregation reaches into antiquity and existed in a variety of forms, cross-culturally. The term "harem" was not used regularly until the 13th century, and then only referred to the specific form of gender segregation used by the Ottoman court. Application of the word "harem" to all women's quarters in other cultures was the result of European contact with the Ottoman Empire, despite the fact that other cultures often had their own, distinct, terminology for women's spaces. In this seminar, we will explore the history and practice of gender segregation as a means to examine how the idea of the harem was constructed in the Eastern and Western imagination. Under what circumstances did women live separately? How were gendered spaces created, justified and maintained? Where did our image of the harem come from? Using primary and secondary sources, we will examine a selection of histories and representations of the harem in literature, slave and travel narratives, and religion. As the Western idea of the harem is part of what Edward Said theorized as "Orientalism", we will explore Said's theory as well as subsequent theories related to gender and the exotic. In addition, we will look at images of women's quarters from antiquity to the present and listen to representations of the exotic in music. Our goal is not only to study the historical fact of the harem, but also to engage issues related to gender, the exotic and representation from different disciplinary and cultural points of view. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288W. A History of Noise: Music and Politics from Beethoven to Jimi Hendrix. 3 Units.
This writing-intensive course examines the roles that noise has played in political discourses throughout the nineteenth and twentieth centuries. Its charged bookends - Beethoven and Jimi Hendrix - invite students to challenge supposed differences between "Art" and popular music and examine relationships between music and society. "Who does 'Art' serve?" "Is it possible to distinguish between 'Art' and noise?," and "Is sound capable of influence at all?" are among the chief questions this course explores. The curriculum's historical breadth allows students to consider these larger questions through a variety of case studies, including (among others) the bombast and nationalism of Beethoven's ninth symphony; the Marxist-inspired "emancipation" of sound, as presented by Arnold Schoenberg; the gender-bending metal of Eddie Van Halen; and the protest-by-distortion of Hendrix's national anthem at Woodstock. By the end of this course, students will gain more awareness of the ways in which the music surrounding them seeks to shape society. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288X. 1939. 3 Units.
This course will examine the year 1939. At the time, people in the United States and Great Britain were invested in creating an active and lush fantasy world. There were debutant balls, the World's Fair, college sports, "The Big Sleep," "Gone With the Wind," and "The Wizard of Oz." Meanwhile Hitler was also conceiving of his dream world. The history of 1939 is the history of these competing fantasies and their collision. In addition to bettering their writing and research skills, students in this class will learn to understand the language and imagery of films, speeches, propaganda, social mores, diplomacy, and other various modes of communication that were used to construct and reinforce the sundry of imagined realities of 1939. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 289A. Do We Have Free Will?. 3 Units.
Concepts such as freedom, choice, moral responsibility, and autonomy are commonly invoked to describe our sense, as human beings, that our actions and thoughts are really our own. This seems like experiential common-sense-when I choose to read a novel instead of a philosophy text it feels like the decision to do so was made by me, that there was no coercion, or other seen or unseen force, that intervened to make me choose as I did. We extend this logic to the judgment of moral and legal responsibility. If you engage in good behavior, you get the praise; if you do bad things, you are blameworthy. Despite our self-perception that we freely make decisions and choose our actions, we sometimes invoke the notion that certain events are the result of some prior cause or circumstance that determines what occurs in the present. In this instance, we do not appear to be fully free in our choices because we cannot undo the causes that dictate what is taking place here and now. To the extent that we experience current actions as having a cause in the past, we are flirting with the idea that our behavior is not wholly free, but determined or conditioned by what has come before. Determinism, necessity, fate, destiny, predestination: these are terms typically used to describe the sense that our actions and thoughts are the result of unknown forces or circumstances beyond our control. This course uses classic and contemporary texts, taken from multiple cultural traditions, to explore the problem of free will and related issues of body/mind dualism and personal identity. Although the term "free will" does not appear in all cultural contexts, found everywhere are questions of whether we are free to act and think as we wish or whether our thoughts and actions are in some way determined. We also read science fiction short stories as thought experiments in order to help us understand the ramifications of various positions on free will and related problems. This course is discussion-based and writing-intensive. Classes focus on analysis and interpretation of texts and ideas. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 289G. The American West on Film. 3 Units.
Few geographical areas in the United States contain as many tall tales and mythological figures as the American frontier. From an extreme point of view, the West is the only American myth because no other nation can claim the cowboy, the Native American, or the immigrant worker on the transcontinental railroad. And yet, each of these figures remains spectacularly diverse. We celebrate their variety and lionize their individuality in film, popular novels, and cultural criticism. From the visions of the New World to the conquest of the frontier, the color of the American West proliferates and transforms, defining our culture. In this course, we will investigate how critics have understood our fascination with the Western frontier. The class will broadly explore version of the frontier in novels, films, and historical accounts. Reading about the history of the actual west, the course will then examine how the films of the twentieth century alter history in order to express the fantasies and anxieties of their own time. By studying both history and film, we will be able to interrogate manifest destiny and the myth of American exceptionalism. What makes the West such an integral part of our understanding of America? How has its actual history become myth? What does the American fascination with the cowboy, the Native American, or the outlaw imply about our nation? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 289J. Beauty Myths Today. 3 Units.
Published just over 20 years ago, Naomi Wolf's influential study "The Beauty Myth" significantly influenced popular thinking about body image. Analyzing both cultural trends and empirical data, Wolf argued that as women made unprecedented advances in public life in the latter half of the 20th century, they were at the same time held to increasingly unrealistic standards of physical beauty. Wolf's study not only contributed to extant analyses of sexism in the media, but also introduced to mainstream readers the politics of the representation of women's bodies in popular culture. This course will examine to what extent Wolf's original claim hold true today. In other words, what physical standards must one meet in order to be considered professionally and personally successful? In exploring this question, we will look at the origins and current workings of the American beauty industry, considering the changing representation of the ideal body throughout the 20th century. We'll read texts by historians, philosophers, novelists, poets, cultural critics, and journalists who examine the politics of beauty. To both (re-)define and trace the continuing effects of beauty myths in the 21st century, we'll consider the rhetoric of ideal womanhood as it shows up in popular texts such as websites promoting anorexia, TV shows about plastic surgery, diet books, magazines, and guides for mothers. Students will have opportunities to define the beauty myth more broadly, exploring its effects on men and its mediating presence in other cultural sites. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

FSCC Courses

FSCC 100. First Seminar. 4 Units.
This four credit-hour course provides an introduction to various dimensions of academic life. It will be characterized by intense yet open-ended intellectual inquiry, guided by reading from primary as well as secondary sources, and will include practice in written and oral communication in small groups. Each seminar is led both by a faculty member and a writing co-instructor. The goals are to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience for first-year students at Case.

FSCS Courses

FSCS 150. First Seminar Continuing Semester. 3 Units.
This is a continuation of the First Seminar experience for ESL students. The seminar will continue the introduction to various dimensions of academic life. It will be characterized by intense yet open-ended intellectual inquiry, guided by reading from primary as well as secondary sources, and will include practice in written and oral communication in small groups. The goals of the seminar are to continue to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to continue to introduce basic information literacy skills; to continue to provide a foundation for ethical decision-making; to continue to encourage a global and multidisciplinary perspective on the learning process; and to continue to facilitate faculty-student interactions. Prereq: 100 level first year seminar in USFS, FSCC, FSNA, FSSO, FSSY, or FSCS. Prereq or Coreq: FSTS 100.

FSNA Courses

FSNA 103. Energy and Society. 4 Units.
This four-credit-hour course provides an introduction to collegiate writing and to various dimensions of academic life, but will focus on the critical appreciation of the world of energy. Currently, most of the world runs on non-renewable resources; this course is designed to help students develop viewpoints about these issues, and to express themselves in a clear, coherent way. The class will involve both literacy and numeracy, and students will learn to become comfortable handling some of the quantitative measures of energy use. The class will be characterized by intense yet open-ended intellectual inquiry, guided by reading, lectures and discussion, and will include practice in written and oral communication individually and in small groups.

FSNA 104. Archaeoastronomy: Monuments and Ideas. 4 Units.
The unifying theme of this course is how astronomical practice and knowledge is central to ancient civilizations and how that emphasis continues today as manifested through scientific endeavor and also as strongly through the power of unifying myth.
FSNA 109. Science and Race. 4 Units.
This four-credit seminar examines the development and impact of the concept of race. We will first focus on the causes of biological variability in species, leading to an evaluation of whether race is a useful device for understanding biological variability in humans. Second, we will examine how the understanding of race has changed over time within the biological sciences. Third, we will examine how scientific conceptualizations about race have influenced, and been influenced by, cultural beliefs. Through readings and open-ended discussion, we will critically examine the scientific process as it has been (and still is) being applied to the study of human races so that each student will ultimately be equipped to develop a scientifically sound conceptualization of race. Topics which will be covered include Social Darwinism, the eugenics movement, legislation to restrict immigration into the U.S., race-based medicine, and race and intelligence. Students are expected to enhance their skills at critical reading, thoughtful analysis, constructing logical arguments, and improving written and oral communication.

FSNA 111. Chemical Aspects of the Aging Mind. 4 Units.
This seminar will focus on three age-related neurological disorders: Alzheimer's, Parkinson's and Huntington disease. These diseases pose enormous social and economic impact, and current drug-based therapeutic approaches are limited and may not be suited to deal with the imminent problems. The seminar will examine lifestyle changes (i.e., diet, exercise, vitamins, and other habits such as reading) that are implicated in preventing or slowing down these disorders. The focus on a medical topic with important socioeconomic ramifications will provide a novel approach to enhancing critical thinking and communication skills.

FSNA 112. Talking Brains: The Neuroscience of Language. 4 Units.
J speaks both Italian and English. After suffering a stroke, he finds himself switching to Italian in the middle of a sentence, even when he knows the person he's talking to doesn't speak Italian! He can't stop himself no matter how hard he tries. In this discussion-based seminar, we'll use cases like J's to understand how a mass of cells can give rise to something as complicated as human language. We'll use primary source readings from neuroscience to study topics such as the typical organization of language in the brain, bilingualism, sign language, and problems with language resulting from brain injury.

FSNA 113. Facts and Values in Environmental Decisions. 4 Units.
This four-credit seminar will guide students to critically evaluate the evidence, uncertainties, and value judgments pertinent to some of the world's pressing environmental issues. We will begin by studying climate change. Students will decide the topics of exploration to follow. Through reading, field trips, discussions and writing we will investigate natural environmental processes and how they have changed with the growth in human population and technology. Students will learn about the scientific process and will consider the roll of science and technology and their limits in making decisions about shared resources.

FSNA 116. Cities (Under Construction). 4 Units.
Based on the premise that cities are never "finished," and constantly being remade, we will look at the technological and cultural history of cities from the ancient world to the present day. Students will explore the history of building materials--wood, brick, steel, concrete, and glass--used in the construction of cities. We will also trace the development of city infrastructure such as water and sewage systems; streets, bridges, and subways; electricity, telephone and the internet. Specific technological innovations, such as the elevator and the automobile, will receive special consideration. We will move both geographically and temporally to visit the world's great cities, Athens, Mexico City, Tokyo, and New York City. As we do, we will study the examples of significant building projects, such as the Brooklyn Bridge, the Chicago World's Fair, Washington, DC's Metro, and Cleveland's first skyscraper, the Rockefeller Building. The course will cover the history of the professions--engineering, architecture, and urban planning--that have contributed to the construction of cities, and will review the works of these practitioners, as well as that of artists, reformers, and utopians that have imagined new directions for the city. We will also explore first person narratives of the city, the impact of the city on personal and collective memory, and the possibilities and pitfalls of the "virtual" city. Through lecture, discussion, textual analysis, computer simulations, and writing assignments, Cities (Under Construction) will help students gain a deeper understanding of their role in remaking and sustaining the built environment.

FSNA 120. The Impact of Materials on Societal Development. 4 Units.
This four credit-hour SAGES seminar provides an introduction to various dimensions of academic life through open-ended intellectual inquiry and guided by reading from primary and secondary sources. The course will require practice in written and oral communications in small groups. A primary focus of the seminar will be to examine the impact of engineering materials on societal development through human history using a few specific materials of interest as examples: concrete, steel, and semiconductors. At the conclusion of the course, students will be encouraged to explore the impact of other materials on the development of specific technologies as a group project.

FSNA 122. Science in the World of Harry Potter. 4 Units.
The Harry Potter books have attracted more readers than any other fantasy novel series. This seminar will discuss how science may account for or duplicate some of the magical endeavors described in the novels. We will assess the feasibility of certain means of transportation, such as traveling by the floo network, apparitions, and broomsticks, in the context of modern science and technology. Parallels between certain potions and contemporary drugs will be evaluated. The seminar's conceptual framework, integrating fantasy with technology, will loosely follow the format of Michio Kaku's nonfiction book "Visions: How Science Will Revolutionize the 21st Century." In "Visions," Professor Kaku offers the provocative thesis that many "fairy tale ideas" may be possible in the future thanks to advances in science and technology. A combination of Rowling and Kaku in one course should offer a unique opportunity for SAGES learning.
FSNA 123. The Automobile: Its Origins, Development, and Impact on American Society. 4 Units.
The automobile is without doubt one of the defining influences on American life and society. In 1900, most people lived in rural communities, and the main forms of personal transportation were walking and the horse and buggy. Half a century later, most Americans lived in cities or suburbs, there were millions of cars in garages, and roads and highways criss-crossed the nation. The car has transformed where we live and work, how we play, and the very nature of our cities. This course will examine the American automobile from several perspectives: its origins, evolution and effect on industry; its impact on American life and leisure; and the automobile as an art form and American icon. We will also discuss how we preserve examples of our automotive heritage. These topics will be explored in the context of the usual writing and discussion components of a first SAGES course.

FSNA 125. The Right Stuff. 4 Units.
This course will examine the Space Race. A key text for the course will be Tom Wolfe's The Right Stuff. By taking a historical approach to the study of the achievements and failures of NASA scientists and astronauts, it is possible to examine: 1) how individuals dedicated to achieving a particular scientific end draw on the scientific method, 2) the consequences of scientific inquiry, and 3) how science develops in specific historic contexts.

FSNA 126. Urban Ecology. 4 Units.
This course will explore the natural world in an urban context. Urban spaces are defined by the interaction between human creation (the built environment) and the natural world. We will explore how those definitions can be complicated by human innovation meant to re-create nature, such as engineered wetlands. We'll read some classical ecology to understand how ecological issues differ in cities. Some topics we'll cover include: wildlife management; human/organism conflict and interdependence; urban heat islands; watershed, stormwater, and sewer management; and how trees grow in urban conditions. We'll also explore ethical issues such as environmental justice and sustainable development. Our field trips are meant to illuminate how urban planners, park managers, and others deal with such issues to create positive and healthy environments for their communities. Students will apply arguments and concepts learned in the course readings to the sites we visit.

FSNA 128. Naturally Spicy: Spices, History, Culture, Health and Cuisine. 4 Units.
This course will delve into the world of spices. Each commercially important spice will be discussed with the goal of understanding the influence spices and the spice trade had on the history, culture, and cuisines of different parts of the world. The chemistry of some of the natural compounds present in the spices and their effect on various diseases will be explored by reading and discussing scientific literature. Finally, the class will cook with some of these spices and sample other distinctly spiced foods to learn more about various cuisines and cultures.

FSNA 129. Engineering Design for the World's Poorest. 4 Units.
Almost half (47%) of the people in Africa have incomes less than $1.25 per day. Most of these people live as subsistence farmers in small villages with no electricity, running water or automobiles (but with cell phones). Through readings, group discussions, writing assignments, and open-ended experiential learning activities, the course will address ways that engineering solutions can improve peoples' lives within these severe economic constraints. A hands-on component of the course will involve designing and building affordable devices to meet specific needs. We have developed interactions with villages in Senegal, Malawi, and Botswana, and the engineering solutions will be explored within the context of these villages.

FSNA 133. Engineering Innovation and Design. 4 Units.
Innovation and design are cornerstones of the engineering profession and are responsible for many of the improvements in the quality of life that have taken place over the last century. Innovation is also viewed as the essential skill that will drive economies and solve many of the challenges facing societies around the globe. This seminar-based course will provide a disciplined approach to engineering innovation and design. The course requires students to engage in written and oral communications as well as working in small teams to complete open-ended design/build-related assignments. The course will culminate in the design, fabrication and validation of a prototype product to meet an identified need. The design, fabrication and validation of these products will be carried out in thinkbox 1.0 (Prentke-Romich Collaboratory), and the Reinberger Design Studio.

FSNA 134. Fuel Cells. 4 Units.
Fuel Cells convert hydrogen and other fuels directly to electricity and are viewed as a key technology for non-polluting, oil-independent energy in the future. In this course, we will study and critically analyze the prospects, technical and economic barriers, and impact of broad implementation of fuel cells, focusing on the transportation sector and portable power. Major topics of the course include: (i) World and US energy outlook; (ii) Potential role and impact of fuel-cells; their advantages, principles of operation, design and materials issues, limitations and prospects for improvements; (iii) Special focus on details of a polymer type fuel cells (PEMFCs) for transportation and portable power; (iv) Modeling fuel cell performance and evaluation of controlling mechanisms that limit performance. The course is designed for students from all disciplines. Students will be expected to read assigned texts and articles and critically analyze statements and points of view presented. Quantitative analysis will be encouraged and developed. Student teams will develop a hypothesis to improve fuel cell performance by modifying the design of a component of the fuel cell. The new component design with then be fabricated and tested in an operating prototype fuel cell. Data analysis, hypothesis conclusion, and reporting of results are expected.

BioDesign basics explores the art of finding patient needs. No prior clinical or medical education is required, as we focus on acquiring and refining the underpinning critical thinking skills needed to identify and articulate unmet clinical patient needs in contemporary healthcare settings. Many—if not a majority of—ideas leading to healthcare innovation are derived from issues that arise during the daily activities of caring for patients. Whether it is frustration with the use of a specific surgical instrument, processes that interfere with health care delivery, better waiting rooms for the family, designing more comfortable hospital gowns, or materials inadequate for intended outcomes, patient needs cover a broad range of physical and emotional states. Many students find the idea of identifying a “patient need” quite ambiguous at first, but the BioDesign process for defining patient need is a widely used national model developed at Stanford University that the student will find contains easy-to-follow steps that are simple and appealing. As an interactive and “hands-on” course, students will be engaged in discussions, events and activities to promote a first-hand understanding of “needs finding” to support individual mastery of writing and oral presentation skills. The Fourth Hour will be centered on “walking tours” of local medical institutions around University Circle as well as actual use of medical devices (wheelchairs and crutches) on campus as ways to help your efforts identify a patient need based on those observations. In short, you will create your own experiences leading to stories that make writing fun. The course requires students to engage in written and oral communications as well as working in small teams to complete open-ended assignments.

FSNA 137. Volts, Amps, Bits, Bytes. 4 Units.

The electrical grid, the computer, biomedical devices, electric vehicles, interactive art, and smart homes are a few examples of the pervasiveness of electronics and computer technology. This seminar will introduce the engineering design process, and present the basics of electricity, electronic circuits, measurement, sensors, and microcomputers (the Arduino), and how to use them to design and build useful devices. Students will reverse-engineer products, learn electrical and mechanical prototyping and fabrication, and apply them in a variety of hands-on labs. The course will conclude with students proposing, designing, and prototyping innovative design projects. The course will make extensive use of the Sears Design Lab and Think[box] and is writing intensive.

FSNA 138. Light. 4 Units.

This course explores Light, otherwise know as visible electromagnetic radiation. We will examine what light is in its various forms; how it is created and detected; how we perceive it; and how it has influenced our evolutionary development, our technological, artistic, and religious cultures, and our conceptions of space and time. Students will discuss topics suggested by the course readings and by exposure to the many scientific activities, historical artifacts, and artistic works on the CWRU campus and at other local institutions that involve light in a significant way.

FSNA 142. Designed by Man, Built by Nature. 4 Units.

If you look at the structure of a human tendon, and at the reinforcement system in an automobile tire, they share many design elements in common. The eye of an octopus and a high performance surveillance lens can be similar as well. The structure of sea shell and of vehicular armor - again, these share common features. In this class we will examine how nature designs things for performance, and how mankind copies these to produce useful objects. Two general introductions to technology will be supplemented with specific readings from the technical literature to provide a broad introductory background. This writing-intensive seminar is tailored for incoming CWRU students with an interest in science, engineering and technology. Among other class activities this seminar will require the student to research, design and build prototype bio-inspired systems according to assignments made in class, with a competition held during the last week of the semester.

FSNA 143. Materials and Energy. 4 Units.

Manufacturing and using the materials of modern life—metals, polymers, ceramics, paper products, and others—play major roles in the world’s consumption of energy and natural resources. This course will objectively and (when applicable) quantitatively explore the technological and social forces that drive current levels of materials usage. Through readings, group discussions, writing assignments, and open-ended experiential learning activities, the course will address the following questions: What are the scale and geographical distribution of materials usage? How do the magnitude and impact of materials usage compare to those of other demands on energy and resources (such as agriculture, transportation, residential heating, and clean water)? What are the impacts—positive and negative—of materials consumption on society and the natural environment? How did the world get to its current situation, and what should, and can, be done in the future? Students successfully completing this course will be able to think critically and objectively about the role of materials in society's use of energy and natural resources, and to articulate realistic, persuasive arguments based in quantifiable facts about these topics.

FSNA 148. Science or Pseudoscience? Exploring Extraordinary Claims. 4 Units.

In the contemporary world, extraordinary claims about ghosts, aliens, and the nature of the universe appear on popular television shows, on the Internet, and in the press. Many of these claims are framed as science. In this seminar, we critically examine the nature of these understandings of the world around us. We will ask if these claims are scientific and, if not, whether they constitute a form of pseudoscience. We will explore the role of demarcation, evidence, scientific progress, and fallacies of reasoning in pseudoscience. We will also consider the historical and sociocultural currents that give rise to these pseudoscientific claims as well as their social and political implications. Drawing on anthropological, philosophical, and historical case studies, we will consider topics such as cryptozoology, astrology, ancient aliens, parapsychology, the Nemesis theory of dinosaur extinctions, theories of intelligence, and other extraordinary claims.
FSSO Courses

FSSO 110. Conflict and Cooperation. 4 Units.
Why is it that when cooperation seems so likely, conflict breaks out? Or why at other times when conflict looms, cooperation wins out? This course explores the social and political complexities of this basic human condition. Through seminar discussions of classic readings, the course will introduce students to the basic social science concepts and theories used to explain conflict and cooperation. In addition to general knowledge, the course will also allow students hands on experience. Classroom time will be dedicated to simulating the decision making and negotiating dynamics which lead to cooperation or conflict. Studies will include individual, historical, and international cases. Graded projects will include small group negotiation and decision making exercises as well as individual writing tasks.

FSSO 112. The Ethnic/Racial Experience in America. 4 Units.
This four credit hour course focuses on the ethnic/racial experiences of Native, African, Latino and Asian Americans through representative works of fiction, nonfiction and film. We will look at the way racial and ethnic identities are produced through political struggle on a local/ national/global scale and how they are maintained and transformed over time. We also pay close attention to the ways in which race and ethnicity intersect with gender, sexuality, class, parental pressure, and nation in order to better understand how systems of power and inequality are constructed, reinforced, and challenged.

FSSO 114. Music in Our Lives. 4 Units.
This seminar will examine the role, meaning, power, and influence of music in our lives. Readings, writing assignments, and fourth-hour events will focus on the following three themes: music is important, everyone is musical, and there are many uses of music and ways to be musical. Topics include the Cleveland music scene, the use of music in political movements, music in today's media, and the use of music to heal. This course will be characterized by intense yet open-ended intellectual inquiry, guided by reading from primary as well as secondary sources. It will also include practice in written and oral communication in small groups. The goals are to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience for first-year students at Case.

FSSO 116. Working-Class Heroes. 4 Units.
This course will focus on the representation of the American laborer in literary and other cultural texts. Beginning our study with mid-to-late nineteenth-century works, we will concentrate on how particularly American ideas about economics, race, and gender shape authors' depictions of working-class figures, reading both primary and secondary sources. We will examine and discuss historical debates concerning the "hero in struggle" while paying special attention to rhetorics of protest and reform as informed by literary modes such as Sentimentalism, Naturalism, Realism, and Modernism. Throughout the course, we will pair the literary and historical readings with pop-cultural representations of working-class figures, viewing films, listening to music, and analyzing visual arts both in class and on visits to Cleveland cultural institutions. Writing Requirements include short critical response papers, two longer papers, and a final project accompanied by class presentations.

FSSO 119. Philanthropy in America. 4 Units.
This four-credit course provides an introduction to various dimensions of philanthropy and volunteerism. Using the seminar format and an array of interactive activities, we will conduct a broad but intellectual inquiry into the systems and ethics of giving time and money to charitable causes. In four units of inquiry, we will consider the giving traditions that have influenced American culture and society since its colonial days. We will examine the role that the Third Sector (also known as the Independent or Nonprofit Sector) plays as an agent of social change in a functioning democratic republic. We will explore the nature of donors and volunteers and take a critical look at the missions and goals of a cross section of nonprofit organizations. We will wrestle with ethical issues related to philanthropy and consider the giving patterns of different social, religious, and ethnic groups. We will also turn our collective thinking to how the nonprofit sector might better serve the social needs of the nation and the world. At the end of the semester, we will reflect on how our ideas about philanthropy have changed over the course of fifteen weeks.

FSSO 120. Poverty and Social Policy. 4 Units.
This course has two major foci: poverty and social policies designed to ameliorate poverty. Sociologists in the United States and in other countries have made major contributions to studies of poverty. They have primarily focused on income-based poverty, but more recently, have also studied other forms of poverty. In this class, we will examine different conceptualizations and measures of poverty. We will then examine short-term and long-term poverty experiences and their potential consequences. We will then turn to explanations of poverty: why are some individuals more likely to experience periods of low income than others? While the United States will be the focus of the course, we will contrast the experiences of other countries. The second component will be an analysis of social policies designed to ameliorate poverty. In particular, we will examine the development and retenchment of welfare states and other social policies, the various goals of social policy, and the different impacts social policies have had on individuals, families, other groups, and the country overall. This discussion will reflect on experiences of other countries.

FSSO 122. China in Modernization. 4 Units.
This four credit-hour course provides an introduction to various dimensions of modernization in contemporary China, especially cultural and social changes such as consumption, education, migration, and tourism as a result of economic reforms, trade expansion, foreign investments and technology transfer. Throughout the course, we will examine the role of China in modernization in a global context. The seminar will also assess the impacts of these changes on various aspects of globalization and vice versa. It will be characterized by intense yet open-ended intellectual inquiry, guided by reading relevant material, and will include practice in written and oral communication in discussion forums and small groups. The goals are to enhance basic intellectual skills of academic inquiry, such as critical reading, thoughtful analysis, and written and oral communication; to introduce basic information literacy skills; to provide a foundation for ethical decision-making; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive common intellectual experience at CWRU.
FSSO 123. Ten Developments That Are Shaking The World. 4 Units.
This seminar is an introduction to some of the most important global developments of our times. We will examine these events through political, historical, economic, cultural, sociological, scientific and ethical lenses. Readings will come from a wide-range of sources, and assignments will include exercises in written and oral communication. The professor will choose the first three global developments to be investigated as well as the relevant readings. His topics will most likely be the proliferation of nuclear weapons, the rise of China as a great power and the fiftieth anniversary of the European Union. Each of the remaining seven will be chosen by small groups of students, who will assign the readings and run the sessions for their respective topic. Possible topics include the global food crisis, genocide and the failure of the world community to stop it, global warming and the growing gap between the world's rich and poor.

FSSO 126. Religion and the Ethics of War. 4 Units.
Although war is a highly rational, organized and purposeful affair, it also is the most destructive and bloody of human activities. For this reason, war and warfare has always been subject to various religious and moral restrictions. As technology has developed, the conduct of war has changed and the definitions of just and unjust war, as well as what it means to fight justly, have undergone profound changes. This course looks at war and warfare from a variety of angles and examines how various religious and moral thinkers have tried to define just war, and create guidelines for fighting a war justly. At the end of the semester, the course looks at the moral challenges presented by new technologies and new concepts of war.

FSSO 128. Movers and Shakers: Leadership. 4 Units.
"Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that ever has" (Margaret Mead, 1901-1978). This seminar is about understanding what enables people to make a generative impact on the world. Students will explore the socio-emotional and motivational characteristics of effective leaders and their ability to create positive change. Students will also be encouraged to develop their own theories of leadership and to explore their personal approaches to making a difference. The seminar will profile leaders from different occupations and walks of life. Seminar sessions will feature assigned readings on leaders and change agents, class discussion on what drives movers and shakers, and individual and group presentations on class members' emergent leadership perspectives. A key objective of the seminar is the development of critical thinking skills, writing skills, and verbal skills. Consequently, the weekly class readings, reflection papers on class readings, class discussions, class presentations (individual and group), and final project are vital features of the seminar experience. Students will be expected to leave the seminar with a grounded perspective on leaders and leadership, and the ability to articulate their own personal views on making a difference in the world.

FSSO 129. Perspectives on Inequality. 4 Units.
We live in a world in which millions of people die every year in developing countries due to poverty-related conditions. Within the United States, where most commentators characterize the population as "middle class," at least 35 million people live in poverty. This course examines social inequality from multiple perspectives. We will discuss the concepts of poverty, discrimination, and social change on a global and national level. The first third of the course assesses several economic, cultural, and environmental theories of inequality. We will then survey a wide range of scholarship that has addressed various types of social inequalities from diverse viewpoints.

FSSO 131. Social, Political, Economic Environment of Cleveland Northeast Ohio Region. 4 Units.
This First Seminar will focus on the socio/political/economic environment of the Cleveland/Northeast Ohio Region. Students will be encouraged to explore the agents that create change in our region; major employers and start-up innovative businesses, politicians, philanthropic funds and grassroots activists. Our analysis will also include the topic of growth. Definitions of it, creation of it, measurement of it, equity of it and sustainability of it.

FSSO 132. Legal Lessons in Poems and Plays. 4 Units.
This First Seminar will focus on law-related practical and philosophical lessons learned through poems and plays. At its core is the belief that by studying law in literature, students can become better thinkers and writers, readers and speakers, as well as better participants in civic affairs. This seminar will broaden and deepen students' understanding of the presence of literature and human nature in law and society.

FSSO 140. Working-Class Literature. 4 Units.
In her volume, Silences (1978), writer Tillie Olson refers to the relationship between social class and literature as "the great unexamined." This statement still largely rings true, despite the continued production of novels, films, and poems depicting the working-class, and despite the unprecedented growth in recent years of America's working class. In this course, we will examine the relationship between social class and literature, reading narratives written by and about laborers in the hopes of understanding the complexities of working-class life in America, including the intricate ways in which economic status mediates one's sense of identity. Beginning our study with mid-to-late nineteenth-century works, we will consider ideas about economics, race, and gender that have shaped and that continue to influence the depiction of the working-class. Throughout the course, we will pair literary and historical readings with pop-cultural materials, viewing films, listening to music, and analyzing visual arts both in class and on visits to Cleveland cultural institutions such as the Western Reserve Historical Society and the Maltz Museum of Jewish History.

FSSO 143. Living With and Making Decisions Concerning Injustice. 4 Units.
Injustice. What do you think of when you hear that word? There are all types of injustice in this world, and chances are that during our lifetime we will either find ourselves in a position or system of power, perpetrating injustice on others; or in a position or system of supposed impotence, a subject of injustice. What are our choices? How will we respond? In this course we will examine the topic of living with and making decisions concerning injustice using, as an example, the specific injustice of slavery, examining the lives and decisions of both a famous slaveholder and two not-so-famous slaves; and learning from their lives and decisions how we might, ourselves, live with and make decisions concerning injustices we face in our lives.
FSSO 145. Berlin in History, History in Berlin. 4 Units.
From its emergence as a fishing village in the sandy marshes of the eastern frontier of Germany, to its 21st-century role as a cosmopolitan metropolis, Berlin has embodied the arc of change over time in human society. This course uses the history of the city of Berlin as the lens through which to contemplate the complexity of human social and cultural arrangements, their expression in economics and politics (including war), and the imbrication of human cultural and social constructions with the "natural" world. We will read books and articles about the history, culture, economy, and politics of Berlin, primarily from its establishment as the capital of new German Empire in 1871 to the present. We will view films that introduce us to the manic energy that Berlin represented in the transition to modernity. We will visit local museums that house examples of the material culture of Berlin, from the Cleveland Museum of Art to the Rock and Roll Hall of Fame and Museum. We will listen to the music of Berlin, from the baroque of the Brandenburg Concertos to the heavy metal of the Skorpions. And we will learn its history, from fishing village, to court city, to imperial metropolis and industrial engine, to divided symbol of the Cold War, to de-industrialized center of art, government, education, and incubator of high-technology. This First Seminar will prepare students to pursue their undergraduate degrees grounded in thinking about places in time, about change over time, and about human creativity, while preparing them to write and speak about their arguments with clarity and grace.

FSSY Courses

FSSY 106. Trauma and Memory: Modes of Remembrance and Representation. 4 Units.
The twentieth century has often been referred to as a traumatic century, characterized by unprecedented and unimaginable acts of violence. Traumatic events have engrained themselves into both individual and collective memory structures. Not surprisingly, trauma studies have become a central topic of investigation across disciplinary lines. Yet much of the field is still negotiated. We will try to recreate this ongoing discussion in our classroom, when learning, talking, and writing about trauma and its remembrance. The goal of this writing-intense seminar is to give insight into the topic as well as introduce students to academic research, life, and expression. At first we will familiarize ourselves and take part in some fundamental debates: the distinction of memory and history, false memories, individual and collective memories, as well as the definitions of trauma across the disciplines. We will then have a closer look at the difficulty faced by researchers who grapple with trauma and its remembrance. In a final segment we will analyze representations of traumatic memories in public spaces, literature, and the visual arts.

FSSY 108. First Seminar: The Language of Sport. 4 Units.
This seminar explores, through the medium of sport literature, significant periods of life: maturing, playing, living, loving, aging, and dying. Through the genre of sport literature, the course explores sport as metaphor, fantasy, and myth in context (1) time and death, (2) religion and philosophy, and (3) the human condition. Literal, symbolic, euphonic, mythical and figurative interpretations of poetic sport in literature and the plot, point of view, characterization, symbolism, and emotion consideration when reading sport fiction serve as the framework for discussion concerning self, the meaning of sport and life, and the interaction of sport, culture, and self.

FSSY 110. The Greek Hero Since Antiquity. 4 Units.
The Greek Hero and Heroic Culture since Antiquity: the Classical Tradition in Literature and the Arts is the specific topic of this seminar. The influence of ancient Greece on subsequent Western civilization has been profound. This course focuses on the impact of Greek mythology on the literature and arts of five later periods: the Middle Ages, the Renaissance, the Baroque, the Revolutionary Age (1750-1848), and the Modern period. While there are many aspects of Greek mythology that we might investigate, the story of the Trojan War will serve as a central, unifying myth for exploration. The concept of the hero evolved considerably between the time of Homer and the time of Euripides; yet, the Homeric heroes continued to appear in literature and the arts from ancient times onward. How has the concept of the hero inherited from Homer changed in literature and art since antiquity? Does the word "hero" still have value? Are there relevant and meaningful applications of this very specific Greek word outside literature and art in our time? These are just some of the questions we shall consider in our study of the Greek Hero and Heroic Culture since Antiquity in literature and the arts.

FSSY 112. Shakespeare - Still a Hit. 4 Units.
What is the enduring appeal of the works of William Shakespeare? Not only are the plays themselves popular today; there are also many film versions and adaptations, some recent and some dating back to the early days of cinema. In this First Seminar, students will read approximately six Shakespeare plays, including at least one history, comedy, and tragedy. In addition, they will view at least one film version or adaptation of each play. With the help of Kelvin Smith Library, the films will be made available on streaming video with password-protected access, enabling students to view them when convenient and as often as necessary. Since this class (like all First Seminars) is writing-intensive, students will complete four formal essays as well as frequent in-class writing activities. There will also be in-class readings from the plays, discussions of the various film adaptations, and one or two short oral presentations or activities.

FSSY 113. Movies and Meaning. 4 Units.
This course explores methods for interpreting films. To interpret a film is a more aggressive and creative activity than is simply viewing one. How do critics and researchers of cinema “make meaning”? What strategies do they use? How does one mount a film interpretation that is both novel and persuasive? The course will emphasize close reading of films as, each week, we screen a film and together discuss what meanings we can infer from it. Also each week, we’ll read an essay that offers an interpretation of the film. We’ll analyze the reading in light of our sense of the film under consideration. Students will write short essays, approximately one every two weeks, in which they analyze the rhetorical and interpretive strategies of a given film analysis. Students will share their essays with the class, and these readings will serve as bases for class discussions. Final writing projects will consist of student interpretations of a film. At least twice during the semester, the class will, in substitution for the weekly required evening screening, attend a film off campus--either at the Cleveland Cinematheque or at the Cleveland Museum of Art. The course emphasizes writing instruction and discussion in a seminar format. There will be required evening screenings each week.
FSSY 119. Art, Music and The Museum. 4 Units.
This four credit-hour course provides an introduction to art, music, and the museum, particularly the intersections between and among these three subject areas. Formal training in these disciplines is not required. The course will be characterized by intense yet open-ended intellectual inquiry and guided by readings and the experience of artworks from a wide range of styles and cultures. A strong emphasis will be placed on academic writing. The goals are to enhance basic intellectual skills including critical reading, thoughtful analysis, and written and oral communication (including PowerPoint presentation); to introduce basic information literacy skills; to encourage a global and multidisciplinary perspective on the learning process; to facilitate faculty-student interactions; and, in the most general sense, to provide a supportive intellectual experience for first-year students at Case.

FSSY 126. Fly Fishing: The Sport, the Metaphysics, and the Literature. 4 Units.
The seminar will explore the sport of fly-fishing--and an individual's relationship to the natural world surrounding them--as presented in both fiction and non-fiction. Selected texts will provide the impetus for posing such questions as: What is the fundamental nature of sport, how does it vary from other forms of recreation, and can a sport be considered an art? What prompts the various authors to often imbue the fly-fishing with metaphysical, spiritual, or aesthetic dimensions? How does the intent and style of this genre of writing differ from those of traditional academic research? How might these elements of craft be applied and integrated into an effective academic writing style? In addition to considering the stylistic and philosophical approaches to the topic, seminar participants will also engage in several experiential learning sessions involving certain skill aspects of fly casting and tying, and consider those experiences both in discussion and written assignments.

FSSY 127. The Music of New Orleans. 4 Units.
This course focuses on the musical landscape of New Orleans from the late 18th century to the present. We will look at the diverse musics of the city, including opera and orchestral music, slave song, Gospel, solo piano, ragtime, jazz, rhythm and blues, rock and roll, and Cajun and zydeco. Through the course, students will develop a better understanding of music and music history and a deeper knowledge about the history of New Orleans. The course spends considerable time on communication: public speaking, discussion, and writing. Fourth Hour trips will include visits to the Rock and Roll Hall of Fame and the Western Reserve Historical Society.

FSSY 131. Death and Representation. 4 Units.
This four credit-hour course will explore the ways death has been represented in visual culture, from ancient times to the contemporary epoch. Can death, something abstract and never directly experienced, ever be represented? Throughout the ages, how have artists, patrons, and viewers influenced the imagery of death, and how, in turn, have they been influenced by it? The course includes multiple visits to the Cleveland Museum of Art, the Natural History Museum, and the Museum of Contemporary Art.

FSSY 137. Cultural Representations: Ideologies, Images, and the World. 4 Units.
Narrative forms, such as myths, folktales, novels, films, and the media make significant contributions to the varied ways that people understand and imagine the spatial structures of the world. Specifically, this course will help you a) to develop an understanding of how narratives and the media have an impact on the ways we come to terms with geopolitical regions and how geopolitical regions are invented and imagined; b) to point out and address geopolitical assumptions, over-generalizations and to engage concepts such as the 'East' and 'West,' etc. critically; c) to analyze travel narratives, films, and current media representations of certain areas of the world and situate your observations into a wider set of theoretical problems; and d) to develop a set of reading skills that will help you to decipher texts(both primary and secondary) so that you can formulate productive questions and articulate your intellectual discoveries in a compelling way.

FSSY 141. "Renaissance" Men and Women: Polymaths from Late Antiquity to Leonardo Da Vinci. 4 Units.
The term "Renaissance man" is often used to refer to a polymath, someone whose expertise spans numerous and diverse subject areas. Leonardo da Vinci (1452-1519), perhaps the most famous polymath of all, was an artist, scientist, engineer, musician, and indeed a man who lived during the Renaissance. Yet already in late antiquity and the Middle Ages many of the great thinkers were polymaths, and they were not all men. This course examines the intellectual contributions of Leonardo da Vinci and two earlier polymaths: Saint Augustine (390-430CE), a north African bishop, philosopher, and theologian who became a Doctor of the Church; and Hildegard of Bingen (1098-1179), a German nun who was a composer, philosopher, herbalist, and mystic visionary. Through discussion of writings by these three figures and of secondary literature about them, the course explores their intellectual diversity and the cultural forces that shaped them. It also examines what it meant to be a polymath at various points in history, why polymaths have become associated with the Renaissance and with men specifically, and why there are relatively few polymaths today.

UCAP Courses

UCAP 390. Conservation of National Parks and Protected Areas: A Service Learning Capstone. 3 Units.
This capstone course explores environmental conservation with a focus on protected natural areas and community engagement. Limited to a small group that meets in weekly seminar, the course investigates the often competing interests of ecosystem protection, private development, historic preservation, and public use. A vital part of the capstone is a service learning trip during break when students travel to a National Park or other protected area to contribute to conservation efforts and to gain hands-on experience with environmental management activities. Each student chooses an issue relevant to protected areas to investigate throughout the semester and writes a significant paper about that issue, utilizing the service learning trip experience to deepen their understanding and analysis of the issue. At the end of the semester, each student makes a public presentation of his/her work. Counts as SAGES Senior Capstone. Prereq: Passing letter grade in a 100 level first year seminar in USFS, FSNA, FSCC, FSSO, FSSY or FSCS
UCAP 395. SAGES Capstone Experience. 1 - 6 Unit.
UCAP 395 affords students the opportunity to pursue a capstone experience outside the constraints of SAGES capstone courses offered by individual academic departments. Students must identify a project, a mentor and an oversight committee. If the mentor is not a Case faculty member, then the student must also identify a faculty advisor who does hold such an appointment and who will serve as the instructor of record. A capstone experience can take various forms but must include certain elements: critical thinking, regular oversight by the project advisor(s), periodic written and oral reporting of progress, a final written report which describes the project activity (which may be a performance, experiment, student teaching, live case analysis, creative writing endeavor, etc.), and a final public presentation. More details about course policies, including procedures for registering, are available via the SAGES office and web site. UCAP 395 may be taken as a one-semester or a two-semester course for 1-6 credits in any given semester and 3-6 credits total. Permit from Director of SAGES required. Counts as SAGES Senior Capstone.

UCAP 395A. Engage Cleveland Capstone Experience. 3 Units.
This community-based capstone provides a unique opportunity for students to learn about and become involved in community issues in greater Cleveland. Limited to a small group of students, the capstone weaves together hands-on experience and academic inquiry through which students learn about urban issues, community engagement, and about themselves as leaders and advocates for social change. The capstone has two parts - a summer community-based experience (non-credit) followed by a fall semester academic capstone course (3-credit), which utilizes and builds upon the summer experience. Counts as SAGES Senior Capstone.

USNA Courses

USNA 204. The Evolution of Scientific Ideas. 3 Units.
Scientific understanding has evolved over the years. There are very few beliefs about the natural world that have remained intact over the past few centuries, or even the past few decades. The chief goal of the course will be to give students an understanding of how scientific ideas change and how newer ideas supersede the old. Questions to be investigated include: What is Science? How do disciplinary scientific communities (physicists, chemists, biologists, etc.) form and identify themselves? How does the community of scientists within a discipline come to a consensus that it is time to adopt a new paradigm: What scientific, social, political, and cultural factors come into play during the periods of transition? The course will be in seminar format. The students will be given opportunities to explicitly develop critical thinking skills (the specific skills to be developed will be selected by the class from an explicit list) and writing and speaking skills. Class meetings will be used to share their research results and to study the assigned texts and papers. The students will be required to demonstrate their understanding in a variety of ways. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 206. Land and Life in the Americas. 3 Units.
This course investigates the physical processes that shape the Earth's environments and how these environments have influenced, and been influenced by, human history. A principle focus will be the evolution of the Americas since the end of the last ice age. We will apply what we learn to the history of cultural development and to debate environmental issues facing us today. This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 211. Einstein, Space and Time. 3 Units.
This course will explore the profound changes in our conception of space and time brought about by Einstein's theories of special and general relativity. As a University Seminar, it will also integrate writing and discussion about these topics into the class and explore the philosophical and technological context in which the ideas were developed. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 216. Fuel Cells--Reality, Prospects and Myth. 3 Units.
Fuel cells have been recently identified as a key source for non-polluting, oil-independent energy in the future. In this course, we will study and critically analyze the prospects, barriers, and impact of broad implementation of fuel cells, focusing primarily on the transportation sector. Major topics of the course include: (i) World and U.S. energy outlook; (ii) Potential role and impact of fuel-cells, their advantages, limitations and prospects for improvements; (iii) Alternative fuels--source, availability, distribution and cost; (iv) Potential political, public policy, economic, and environmental impact of large-scale implementation of fuel-cells technology. The course is designed for students from all disciplines. Students will be expected to read assigned texts and articles and critically analyze statements and points of view presented. Quantitative analysis is expected where appropriate. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 220. Suburban Landscapes: Nature, Technology, and Culture. 3 Units.
This course will examine suburban neighborhoods by focusing on the design of technology and nature in these spaces. The way that people understand and operate in the world is so entangled with values and assumptions that the physical shape of the world cannot be separated from human culture. In this sense, suburban landscapes are not simply neighborhoods but also examples of culture. The form of the land and the technologies in the suburbs are continually reshaped to correspond with the cultures of the people occupying those spaces. By studying suburban landscapes we can see how the ideas in people's heads become part of the physical world in which we live. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 223. Critical Science Fiction. 3 Units.
The emphasis of this seminar will be on developing skills of critical analysis of science fiction. A goal of the course is that the students will be able to distinguish plausible from impossible when they read their next science fiction book or watch a sci-fi movie. Upon completion of the course, the students should be well equipped to recognize scientifically unrealistic assumptions and statements in pseudoscientific books, movies, TV programs and other mass media sources. The course will be sufficiently flexible to allow coverage of topics that are proposed by, and interesting to, students, or the topics which would arise during discussions. The course will encourage open-minded approach to understanding controversial areas, as well as emphasize the great achievements that humankind made in the short historical period of our civilization. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 224. Food, Farming, and Economic Prosperity. 3 Units.
Intended to challenge conventional thinking about “progress”, this course will examine the evolution of food production and consumption in the U.S. over the past 50 years. We will begin with the topic of food, itself. We will explore fundamental questions such as, What is food? Why should we care? Where does food come from? Why does it matter what we eat, and equally important, what we eat eats? Students will explore their own eating habits by keeping a journal of what, when, where, and how they eat. Discussions will focus on the social, cultural, nutritional, and technological aspects of food. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 226. Evolution of Human Behavior. 3 Units.
Human behavior is a result of the complex interplay between our genes and the environment, both of which have been shaped by evolutionary forces over millions of years. To what extent does natural selection shape our behavior today? Are humans naturally monogamous? Why do conflicts arise even in our most intimate relationships? Is human behavior ultimately in the service of reproductive success, ensuring that our genes are passed into the next generation? This course reviews the history of evolutionary theories of mind and behavior, as well as current ideas about the ecological and genetic components of behavior. We will examine key principles of neurobiology, sociobiology, and evolutionary psychology to critically evaluate evolutionary interpretations of human behaviors, including those comprising cultural traditions and social institutions. Specific topics to be addressed include human mate choice, parenting strategies, interpersonal conflict, and altruism. The course is structured as a seminar, with emphasis on discussion and formation of logical arguments. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 228. Astronomical Arguments: Pluto, Dark Matter, and Beyond. 3 Units.
This course explores how scientific controversies are resolved, using examples from astronomy and cosmology. We start with a discussion of the scientific process--both as an ideal and as a practical reality--and an overview of the scale of the universe in space and time. Then we address some historical controversies (with the benefit of scientific hindsight), before turning to modern examples of astronomical debates which remain unresolved. Examples include the Copernican Revolution, the nature of galaxies, the Big Bang, the elusive search for dark matter, and the identity of Pluto. In each case, we will examine the scientific basis of the controversy as well as the roles played by cultural and human biases. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 231. Cholesterol: The Good, the Bad, and the Money. 3 Units.
Cholesterol molecules are essential building blocks of human cells and are required for biosynthesis of some hormones. The word “cholesterol” has, however, become notorious as several diseases are linked to improper bio-processing of the molecule. Indeed, all middle-aged people are encouraged to have their cholesterol checked and monitored as needed. This course will educate students with respect to the role of cholesterol in human health and in specific disease states. Students will learn the difference between “good” and “bad” cholesterol, and the rationale for these labels. Additional topics include dietary contributions to cholesterol, cholesterol lowering drugs, the continuing evolution of what is considered to be a healthy blood cholesterol level and the factors driving this changing scale. Reading assignments will range from News Paper articles to scientific publications. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 235. Exploring a Sense of Place. 3 Units.
Having a sense of place, or a rooted understanding of where we live, shapes our identity, actions, and commitment to community. In this course, we will go beyond the “campus bubble” to explore the concept and development of a sense of place by studying and photographing the Doan Brook, our local watershed. Course readings, writing, and discussion will focus on Doan Brook’s natural history, local environmental issues, and sustainability. We will utilize photography as a primary tool for investigating and connecting to place as we undertake a photography project documenting the Doan Brook, which will be shared with the community. We will also consider our responsibility to place and learn about community-based initiatives in which people have committed to place and taken action to make a difference. Throughout the course, we will develop a stronger understanding of Case’s ecological address and the intersection of sense of place, environmental issues, and engagement with the watershed. We will explore firsthand where we are--and why it matters. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 236. Upheavals in Astronomy. 3 Units.
Why the uproar over the invention of the telescope? How does the scientific method really work to advance knowledge? What do astronomers fear is the fate of the universe? This seminar begins with an introduction to the scientific instruments that brought about revolutionary changes in our understanding of the cosmos. Students will acquire historical and practical knowledge of such instruments in part through hands-on acquaintance with telescopes and other devices in the collection of the Cleveland Museum of Natural History. Students will also examine the historical context in which advances in astronomy were made, the divergent ways in which thinkers such as Galileo and Kepler responded to official disapproval of their ideas, and the consequences of humanity’s displacement when the model of a geocentric universe gave way to the current model of an expanding universe. The seminar will include assignments in expository and persuasive writing, with an emphasis on improving and revising one’s work and developing a well-researched final paper. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 237. Landscape History and Conservation. 3 Units.
Human history is intimately intertwined with the natural landscape on which it occurred. From coastal preserves and their beach communities to Midwestern farmland and the preserved site of Thoreau's Walden Pond cabin, and at places like the Grand Canyon, the American landscape itself holds many clues to our country's natural, ecological, and cultural history. This course will investigate the lived landscape in two ways (which have a multitude of shades to them): as a place where humans shape the natural for their own memorial, productive, and aesthetic uses, or as a natural place that humans set aside or conserve. We will read landscape history and conservation theory, and we will consider global practices of conservation through UNESCO's World Heritage Sites. Class work will entail a process-oriented project on the Cleveland landscape, which students are encouraged to approach through the lens of their major. We will visit the Wade Oval and the cultural gardens of Rockefeller Park as an example of current conservation practices working to protect the natural and cultural value of the local landscape. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, or FSSY. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 238. The Role of Materials Science in Emerging Technologies. 3 Units.
The development of engineering applications is, and has historically been, closely related to the development of new engineering materials. In fact, specific civilizations and time periods in the past are classified by the materials used for engineering applications, e.g., the Bronze Age. This university seminar will examine the role of materials developments in the past, as well as explore the needs and impact of new materials in emerging technologies; areas of focus will be (i) Power generation, transmission and storage, (ii) Electronic devices and electronic applications, and (iii) Biomedical engineering and medical imaging applications. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 240. Technologies of the City. 3 Units.
Based on the premise that cities are never "finished," and constantly being remade, the University Seminar, Technologies of the City, will look at the technological and cultural history of cities from the ancient world to the present day. Students will explore the history of building materials—wood, brick, steel, concrete, and glass—used in the construction of cities. We will also trace the development of city infrastructure such as electricity, water and sewage systems, streets bridges, and subways. Technological innovations, such as the automobile, will receive special consideration. We will move to an urban environment, and see how the spread of advanced technologies (the artifacts of engineering) has led to economic, social, and political changes on a global scale. As a result, young people do not think that careers in science and engineering are rewarding and useful or do they think of technology as one of the most powerful forces for social change. Furthermore, in a world where advanced knowledge is widespread and low-cost labor is readily available, U.S. advantages in the marketplace and in science and engineering have begun to erode. We want to be able to compete in the world. Economic growth is driven by technological innovation. Societies that foster it lead the pack, while others lag behind. An enlightened citizenry is essential both to support and to engage in new developments in science and engineering. Insights will be given on how engineering innovations develop and have changed the world, both good and bad and, hopefully, it will be clear that engineering is essential to meet many of the major global challenges of the future. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 241. Urban Transportation. 3 Units.
The course is intended to examine the variety of issues associated with urban transportation. To provide focus the Cleveland metropolitan area will be used as the example urban environment. The issues that will be addressed include the perceived transportation needs, the mutual influences of perceived needs and the transportation system, the effect on business, residence, recreation and entertainment, the variety of approaches that have been used or suggested in the United States and abroad and the approaches that might be used, the resources needed, and the time needed to make changes. It is expected that the students will further develop the issues that should be addressed, do the necessary study of available information, discuss the issues, and finally report on their findings, conclusions and possibly recommendations. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 243. CWRU's Carbon Footprint. 3 Units.
CWRU has conducted dozens of energy efficiency projects addressing sustainability, energy, and climate issues. All of which aims at reducing the University's environmental footprint. A core component of CWRU's first carbon footprint inventory, is engaging in strategies for reducing greenhouse gas emissions. Using the campus as a living laboratory, participants will complete CWRU's first carbon footprint inventory, and will collectively write the University's first Climate Action Plan. Students will become familiar with general climate issues and will conduct an institutional greenhouse gas inventory using data on CWRU's energy consumption and other pertinent institutional practices. Complementing the practical aspects of the course, we will also explore organizational and economic opportunities in sustainability, energy, policy, and processes of organizational change for sustainability. Many examples from other campuses will be used in addition to expert guest speakers. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 245. The Impact of Technology on Society. 3 Units.
There is commonly a lack of understanding and appreciation of how the spread of advanced technologies (the artifacts of engineering) has led to economic, social, and political changes on a global scale. As a result, young people do not think that careers in science and engineering are rewarding and useful or do they think of technology as one of the most powerful forces for social change. Furthermore, in a world where advanced knowledge is widespread and low-cost labor is readily available, U.S. advantages in the marketplace and in science and engineering have begun to erode. We want to be able to compete in the world. Economic growth is driven by technological innovation. Societies that foster it lead the pack, while others lag behind. An enlightened citizenry is essential both to support and to engage in new developments in science and engineering. Insights will be given on how engineering innovations develop and have changed the world, both good and bad and, hopefully, it will be clear that engineering is essential to meet many of the major global challenges of the future. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 247. Epidemics in Human History. 3 Units.
This course will examine the role of epidemics (of all types) in human history. Disease has shaped our society in many ways and continues to do so. Despite the plethora of antibiotic and antiviral drugs since 1940, 90% of the decrease in (First World) infectious disease is due to simple public health measures and better hygiene. But overuse of antibiotics increasingly is causing the rapid evolution of "superbugs" that threaten new plagues and epidemics. Both historical and modern epidemics of plague, smallpox, Salmonella, cholera, tuberculosis, and HIV/AIDS will be examined. The interaction of these epidemics with societies and how the epidemics influence society, cultures, art, and literature will be major topics of discussion. The course is primarily discussion with short student presentations. In addition, 3-4 short "Front Lines" talks by and discussion with CWRU and University Hospital clinicians will explore today's realities of epidemics, infection, and antibiotic resistance in the United States, Uganda, South Africa and elsewhere. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 252. The Future of Food. 3 Units.
Since World War II, science and technology have transformed the way Americans produce and consume food. This transformation has been supported by government policies and accomplished through the application of industrial methods in agriculture, food processing, and food delivery. Such methods have allowed a tiny fraction of the American population to produce vast quantities of food products at very low prices for American consumers. But this American diet, while inexpensive, has turned out to be high in sugar, fat, and processed grains that are contributing to chronic disease such as diabetes and obesity. In addition, environmental impacts of confined animal feeding operations, vast monoculture grain production, and global food transport are raising questions about the sustainability of American agribusiness. This seminar will explore the evolution of food production in the United States since World War II and will ask the question: is it possible to nourish the world's population using nutrition and flavor as guiding principles rather than cost? What is the true meaning of "sustainability" in agriculture? The last third of the course will be devoted to creating a plan for using part of the University Farm to grow food for the University. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 258. Designing Urban Green Space. 3 Units.
In this course, we will investigate the history, theory and practical design of green space in cities. We will focus on types of green space and their community function, relationship to commerce, aesthetics, recreation, ecology, and health in particular. Students will engage in group projects where they locate all underused space in Cleveland (vacant space, gray or brown fields) and will propose a new use for it as green space of some kind. Individual research projects will be related to that site. Lively class discussion and frequent reading responses required. Mandatory field trip to sites in downtown Cleveland. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 259. Bring Out Your Dead. 3 Units.
This course examines the interplay between history and plague outbreaks. Course readings draw largely on the writings and experiences of scientists, physicians, and public health officials. By taking a historical approach to the study of the relationship between human history and the history of disease, students will learn about the development of the scientific method (namely the slow process by which humans learned to identify, categorize, and respond to disease), how science develops in specific historic contexts, the consequence of scientific inquiry, and what humans do when they are faced with imminent death. A tentative list of plagues includes: the Athenian Plague, Black Death, Yellow Fever, TB, Malaria, Influenza in 1918, and AIDS. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 260. Life in the Past. 3 Units.
This course will focus on how we learn, discover, and make conclusions about life in the deep past. What types of life were present? And how can we understand their extinction? A principal focus will be how extinctions in North and South America have affected both the land and its animals, and, consequently, the course of human development. We will look at megafauna from the local area in conjunction with the "Extreme Mammals" exhibit at the Cleveland Museum of Natural History, read about the fossil boom, study the Dodo, and look at scientific ways in which animals are currently being completely re-imagined via technology (computer bone/muscle articulation, eating habits, climate models, etc.). We will also look at the cultural ways in which we view these "dinosaurs" (movies, children's books, museum exhibits) and see if it helps or hurts our scientific and historical understanding of them. At heart, our main question will be: can you really understand a time, space and creature that has been extinct for millions of years? How? Why? And why do these "monsters" hold such fascination for us? Does their disappearance bode well of the human race? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 265. Thinking National Parks. 3 Units.
This seminar provides students an opportunity to explore U.S. national parks and their history of displaying both nature and culture. This discussion-based, writing- and research-focused class requires students to examine a park system that is both extraordinarily popular and rife with controversy. We begin with several recurring questions: Where did the national parks idea come from? How has the park mission evolved and adapted? Can parks be "read" as texts, and if so, how does our point of view determine what we see? How do parks arrange displays of cultural and natural worlds, and how do they display interactions therein? How can changing park philosophies be reflected in their physical apparatus and infrastructure? Students will participate in regular class discussions, occasionally lead these same discussions, complete formal writing assignments, and develop a final research project. The course readings will alternate between historical and present-day selections, so that we explore the history of U.S. national parks while simultaneously considering challenges and controversies that matter very much today. Early readings will include John Muir and Gifford Pinchot; current trends will be explored in the writings of William Cronon, Alfred Runte, and Jennifer Price, among many others. We will view significant portions of Ken Burns' recent PBS series The National Parks: America's Best Idea. The ultimate "text" for the class, however, is an actual national park. Each student will choose a national park as the basis for their semester-long project. Students will begin with description and history of their park, and then they will explore controversies or other issues in the park, developing their own argument. Next, students will have a chance to play architect/landscaper/park-superintendent, as they propose a change to the park that would address an existing problem or enhance the visitors' experience. Finally, students will gather these pieces into a single coherent project, submitting a 10-15 page final essay as well as producing an engaging class presentation. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 266. Life After the Death of Print. 3 Units.
Around 1439, Johannes Gutenberg invented the moveable type printing press, a technological development that altered the world by ushering in an era of mass, reproducible communication. For nearly 500 years, print technologies have dominated communications. Scholars have shown that print's ability to disseminate information led to revolutions in art, science and politics. In short, print technologies have largely defined what it means to be a thinking and communicating human being. The emergence of digital technologies has altered communications in ways that are only now being understood. This course examines how developments in digital technologies impact communication practices by threatening print's historic stronghold. Consequently, the course also explores what impact new technologies have on human identity. We will consider the historical development of display technologies (printed materials and digital screens) to understand what is at stake in the move from print to digital communication. We will then investigate current phenomena associated with Web 2.0, including blogs and social networks, in order to understand how our communication choices construct and allow for our public and private identities. Additionally, the course will examine new display technologies, such as iPhones and Kindles, that allow for the possibly constant dissemination of those identities. Finally, we will hypothesize about how digital technologies force us to conceive of human identity differently from the ways that print invites. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 270. Alternative Energy Sources. 3 Units.
Alternative energy sources are needed, because of limited fossil fuel resources, increased demand, and environmental impacts. This course will deal with the issues of alternative energy sources. Various sources such as solar (thermal and photovoltaic), hydroelectric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass will be discussed in order to determine what is practical on a large scale, as well as on the scale of the individual homeowner. We will pay attention to the efficiency of each alternative energy source as well as what limitations exist in terms of extracting useable energy. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 271. Gene, Environment and Behavior. 3 Units.
The goal of this course is to encourage students to be well informed and critical consumers of the media reports about the influence of genes and environment on human behavior. This course involves the book by Matt Ridley titled, "Genome: The autobiography of a species in 23 chapters." Ridley has a Ph.D. in zoology, worked as a journalist, science editor, and national newspaper columnist. The book devotes a chapter to each pair of human chromosomes. Each chapter focuses on the role of a gene. Ridley's book was published in 1999; therefore, students will conduct their own research to update each of the chapters in Ridley's book. The first few weeks of class will be used to provide a background on genetics research through field trips and guest lectures from CWRU genetic researchers. We will have several writing workshops spread throughout the semester to offer "Just in Time" tips needed to write critical evaluations and literature reviews. Each student will present twice during the semester. The first oral presentation will revolve around a summary, critical evaluation, and an update of the human trait presented in the Ridley book on their assigned chromosome. The presentation will be about 15 minutes with 5 minutes left for questions. Students not presenting will be assigned one of the three chromosomes (chapters) covered that day and they will each write a seminar question to pose to the class. In addition, each student will also serve as a reviewer for one of the presentations to provide constructive feedback to the presenter. The second presentation will consist of new material found by each student about genes on their chromosome. They must find another trait on their chromosome and adapt it to their chromosome and present the most current information available on that trait. In place of a final exam, each student will turn in a research paper on their assigned chromosome. We will build these papers throughout the semester with a series of graded "checkpoint" assignments. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 272. The Thames Watershed. 3 Units.
In this seminar, we will investigate the London, England-area Thames watershed and its associated concerns, like urban development, watershed management, aquatic species conservation, and habitat engineering and restoration. A critical part of this seminar will be a spring break field trip to London. On the field trip, we will focus on London's rivers and their history and ecology. We will study the Lea River Valley (where the 2012 summer Olympic Village is located), the Fleet River and various water-related constructions, such as Docklands, Regent's Canal, and the Wildfowl and Wetlands Nature Reserve, each from historical and ecological standpoints. Emphasis will be on how humans have treated the watershed historically, from using the rivers as sewers and transportation links, to restoring their ecosystems, as is the current case in the Lea River Valley. Course readings will be a mix of cultural history, London newspapers archives, and scientific studies on riparian corridor management. Students will keep field journals in London and will write an experiential learning essay about how the field trip intersected with the readings we've discussed in the seminar. They will also write a 10-12 page research paper on one of the ecological issues witnessed in London and its significance. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 283. Cultures of Science. 3 Units.
From the laboratory to the museum, science is a dominant way in which we make sense of the world. This seminar examines the cultures of science. Drawing on the fields of anthropology, sociology, history, and science and technology studies, we explore the interplay, exchange, and fertile ground between "culture" and "science." We analyze the cultural practices of scientists, the relationship between scientific and indigenous ways of knowing, and ethics of scientific knowledge, as well as scientifically mediated understandings of personhood, nation, legality, and truth. We will consider case studies from the U.S., Latin America, Europe, Africa, and Asia that reflect on contemporary intellectual debates and public concerns. The course considers the following questions: Is science cultural? What does objectivity mean? How are scientific facts produced? Do our understandings of citizenship and the nation have any connection to science? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 285. The Science of Madness: An Historical Investigation of Mental Illness. 3 Units.
Since antiquity the western world's understanding of mental illness has continued to evolve. This course will examine the trajectory of that evolution, looking at the medical theories that have influenced assumptions about the causes and treatments of mental illness from the early modern era through the twenty-first century. Examples of questions we will investigate include: How have we defined the normal and the pathological in human mental behavior over time? How do we explain the centuries-old correlation that medicine has made between creativity and mental illness? Which past and present psychiatric treatments have been beneficial and which harmful? How did Darwin's theory of evolution affect theories of mental illness (and how does it continue to do so with the advent of evolutionary psychology)? How have changing philosophies of science affected the research and practice of psychology? How and why do the sciences of the mind--psychiatry, psychoanalysis, clinical psychology, psychopharmacology, the cognitive neurosciences--claim so much scientific authority and exert influence over our lives today? As a frame work for this inquiry, the class will use the concept of paradigm shifts as Thomas Kuhn defines in his classic work, the Structure of Scientific Revolutions. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 286. Science and the Paranormal. 3 Units.
From paranormal television programs to the academic study of parapsychology, claims about the "science" of the paranormal abound. This seminar examines the ways in which people have attempted to scientifically explore questions of life after death, the soul, and anomalous phenomena such as ghosts, telepathy, and ESP. The seminar begins by exploring the emergence of psychological and parapsychology in the late nineteenth century. We then critically analyze a variety of purportedly scientific approaches to the paranormal and analyze their understandings of nature and science. By exploring the claims of paranormal researchers, parapsychologists, and fringe scientists, we will analyze the constitution of science and its demarcation from pseudoscience. We consider a variety of methodological and heuristic tools to distinguish science from non-science such as falsifiability and Occam's razor and apply them to paranormal claims. We also analyze the criticisms leveled at paranormal research. We ask the following questions. What is science? What distinguishes it from "pseudoscience" or non-science? What is skepticism? Can there be a science of the paranormal? What understanding of the natural world is the paranormal grounded on? What is the relationship among science, religion, and belief? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USNA 287A. Perspectives on the Cosmos: From the Ancient Philosophers to Modern Science. 3 Units.
For all of recorded history, and presumably well before that, people have asked the Big Questions: What is the nature of the Universe? How big is it? How old? What is our place in it? For just as long, we've been making up the answers. Cosmology is the subject that seeks to answer the big questions. As such, it is the nexus where science, philosophy, and religion collide. This course will explore the subject of cosmology, from both an historical and scientific perspective. In the process, we will examine the roles of faith, philosophy, and empirical knowledge. We will survey prevailing attitudes towards the nature of the world model over time, examining the impact of belief systems on the interpretation of physical evidence. Subjects to be covered include the first vital steps of the ancient philosophers, the tension between geocentric and heliocentric world models at the time of Copernicus and Galileo, and the modern scientific world view. Students will learn to critically examine evidence and its interpretation, and to appreciate the strengths and shortcomings of various forms of human knowledge. Emphasis will be placed on the importance and limitations of empirical evidence, and the dangers inherent in the interpretation of evidence within a preconceived framework. The student will gain an appreciation for the historical development of world models, culminating with modern cosmology. In the process comes a respect for the diverse paths to knowledge followed by humanity. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287C. Animals and Humans: Making Sense of the Human-Animal Bond. 3 Units.
Humans have an incredibly complex relationship with (non-human) animals. We eat some animals and consider other animals members of our family. We worship some animals and vilify others. This class examines the complexities of our relationship with (non-human) animals. Through exploring human emotional, practical, and epistemological ties with animals, this course examines what it means to be animal as well as what it means to be human. We analyze the following questions. How do we come to know and understand animals? What are the issues surrounding the use of animals in scientific speculation, classification and experimentation, such as vivisection, cloning and the human-animal relationship in technoscience? Do some non-human animals possess material culture, social morality, and emotions such as grief and sadness? Why do animals populate our popular culture and art? Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287E. Evolution and the Modern World. 3 Units.
Modern evolutionary theory has influenced all aspects of biology and the clinical sciences. It has, moreover, resulted in novel ways to think about many of the social sciences. This class will focus on how the concept of evolution has dramatically altered the way we view human anatomy, physiology, and behavior. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USNA 287F. Environment and the Fates of Societies: Guns, Germs, and Steel. 3 Units.
This University Seminar deals with the connections between human societies and landscape, climate, pathogens, and plant and animal species. The main method for this exploration is a close reading of Jared Diamond's Guns, Germs, and Steel. Diamond explains that Western Europeans came to occupy and dominate large areas of the globe because of natural resources present in certain regions of the Old World since the end of the last Ice Age. For example, Diamond studies ancient patterns of plant diffusion or the place of mountain ranges and deserts in the development of technologies. Seminar participants will also study historical sources from specific times and places - namely North America from European contact to 1850 - and compare them to Diamond's general environmental explanations and models. Placing Diamond's broad explanations within specific historical contexts is revealing. A range of alternative methods, perspectives, primary sources from North America, and case studies (especially in environmental history) help develop a critical understanding of the complexities of the fates of societies. Prereq: Passing letter grade in a first year seminar in FSCC, FSSO, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO Courses

USSO 201. Society and Technology: How Do They Impact One Another?. 3 Units.
This course focuses on a systematic analysis of the relationships between society, and the specific institutional elements of technology and technological innovation. It describes the social aspects of computers and related technologies and explores the ways in which these technologies influence and impact organizations and individuals. The course explores the design, use and cultural significance of technologies and uses a historical focus to assess the integration of technology into all aspects of our society. The restructuring of traditional human interaction by information technology will provide a contemporary focus for the course. Offered in a seminar format, the course will provide opportunities for scholarly discussion, systematic inquiry and written communication. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 203. Law in Literature. 3 Units.
An interdisciplinary venture. This seminar will focus on law in literature by examining representations of the legal process in poems, plays, short stories, and novels. It will provide a taste of the vastness and variety of human life--and will broaden and deepen students' understanding of the role law plays in society. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 205. The Human Struggle Through the Lens of Sport. 3 Units.
This seminar explores, through the medium of sport literature, the interaction of sport, society, and self. Students will examine the social and psychological effects on participants, consumer, and society of sport through the study of fiction, research studies, essays, and poetry having a sport motif. Topics include racism and sexism (valuing diversity), love (cooperating), death (losing), transformation (aging), and achievement (winning). This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 209. Face First. 3 Units.
Human beings greet the world face first. In fact, the ability to process facial features seems to be innate. A baby easily recognizes its mother's face yet the most powerful computers have difficulty using facial features to identify people. This is because all human faces are similar while fine details make each face unique. This course will begin by studying the human face as an anatomic construction of hard and soft tissue skeletal components. We will discuss how we use anatomic facial features to recognize individuals. One homework exercise will be to construct faces using an FBI identikit. Each student will create an FBI composite sketch of their own face. Seminar time will then be used to view each sketch and try to match the sketch with the seminar participant. Discussion will focus on how facial anatomy is similar or different. Following this introduction, the seminar will shift focus from anatomy to sociology. We will discuss facial attractiveness and beauty. Seminar topics will also include manipulation of facial appearance i.e., cosmetics, body piercing, veils, and plastic surgery. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 222. Science and Society Through Literature. 3 Units.
This course will examine the interaction of scientific investigation and discovery within the context of the society it occurred in. What is the effect of science on society and, as importantly, what is the effect of society on science? An introduction will consider the heliocentric controversy with focus on Galileo. Two broad areas; tuberculosis and the Frankenstein myth, will then be discussed covering the period 1800-present. With tuberculosis, fiction, art and music will be examined to understand the changing views of society towards the disease, how society's perception of tuberculosis victims changed, and how this influenced their treatments and research. With Frankenstein, the original novel in its historical context will be examined. Using fiction and viewing several films, the transformation of the original story into a myth with different connotations and implications will be discussed. Most classes will be extensive discussions coupled with student presentations of assigned materials. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 228. Our Plastic World. 3 Units.
If one were to look around the general store of 1900, few man-made "synthetic" items would be evident. One hundred years later, the shelves of any Walmart would be filled with plastic items, plastic packaging, and clothing produced from synthetic fibers. Questions that might be posed include: 1) How did this change happen? 2) How are the historical events of the 20th century and the development of the U.S. chemicals/plastics industry interconnected? 3) What are the societal benefits and costs of this change? 4) What can we learn from the past 100 years, and how can we use these insights going forward into the coming century? These issues will be discussed at length. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 229. A Study of Power: Criteria Essential to Its Rise and Fall. 3 Units.
This SAGES seminar will coordinate examinations of major historical events and their influence on the future. Particular emphasis will focus on the development and/or demise of powerful countries and people, and political and religious infrastructures. Sample topics include: the rise and fall of the Roman empire, the Barbarian empires, the British empire, the National Socialists, the Soviet empire, etc. Development and practice of religious behavior from praying to pagan Gods and spiritual Gods may also be analyzed. The idea is to demonstrate the similarities and differences in each of these broad categories as they progressed. An examination of the impact of greater world "enlightenment" as civilization expanded over time is also discussed. The evolvement and eventual demise or change and the continuing impact on contemporary civilization shall be explored. Conclusions shall be used to suggest a model for the future. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 231. Evolution as Metaphor and Model: Why Don't We Live Forever?. 3 Units.
Evolution will be used to examine biological, historical, and social issues associated with health, illness and aging. In this overview course, evolution is a paradigm that is used to understand how systems change over time. The readings and discussions will identify universal processes and patterns in order to understand the effect of disease on history and explain how and why humans remain vulnerable to aging. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 234. Questions of Identity. 3 Units.
Who we are informs the ways in which we act in the world. How we respond to society in the individual, local, and global community is impacted by the way we see ourselves, the way others see us, and the way we see others. Who am I? How do I look at myself in relationship to others? How does the way in which society views me affect the way I think of myself? How have writers, historians, and philosophers dealt with the challenges of self and group identity? We will explore these issues through readings from the Civil Rights Era, the Holocaust, and the period of decolonization in Africa. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 238. The First Amendment. 3 Units.
The First Amendment to the United States Constitution states that "Congress shall make no law ... abridging the freedom of speech." In this seminar we will explore what this right has meant in America and how it has been limited throughout American history. We will discuss the importance of free speech in a democratic society and how the government balances the freedom of speech with other government interests. This course is also designed to give you a glimpse of law school and what being a lawyer is like. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 239. Change Agents: Past, Present, and Future. 3 Units.
Though it is often said that we are living in a time of constant change, surprisingly few people take the time to understand who makes change happen and how. This seminar will explore the phenomenon of change on multiple levels. We begin by looking at change through an historical lens, examining social movements in the 1960’s. We will then investigate organizational turnarounds of the late 20th century and today. In each instance, we will consider the role of the individual, groups, and organizations as change agents, and examine the influence of environmental factors on change processes. Throughout this course, we will study the dynamics of effective change, identify change strategies, and move to develop a personal understanding of how each one of us can initiate change. In addition to diagnosis and analysis, we will engage in creative thinking and writing about our own capacity to become change agents. We will apply what we read and learn to our current and future lives. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 243. The Art of Fact. 3 Units.
As evidenced by the tragedy that unfolded in New Orleans in the wake of Hurricane Katrina, we ignore the consequences of endemic poverty at our peril. How do you evacuate a city filled with thousands of people too poor to own cars? Where do you house them after they’ve been rescued from their drowned neighborhoods? Although Cleveland won’t likely be erased by flood, it’s one of the poorest big cities in the nation making it vulnerable to disaster in times of crisis and an incubator for a host of thorny social problems. Often, it’s up to journalists to bring attention to these issues, give voice to the voiceless and force policymakers to come up with solutions to seemingly intractable problems. In this seminar, we’ll read and dissect the works of journalists who’ve written stories about complex social problems and have done so using many of the conventions employed by writers of fiction. Writer Ben Yagoda described this literary journalism as “making facts dance.” We’ll spend our time researching numerous social issues and learn to write about them in a clear and compelling voice. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 255. Hinduism. 3 Units.
This course will provide an introduction to Hindu thought and culture. We will read a wide range of texts and secondary sources. Two readings, the Ramayana and Samskara, will focus on issues of ethics and proper dharma. We will also be watching Deepa Mehta’s Fire. There will be a visit to the Shiva-Vishnu Temple in Parma. Heavy emphasis on research and writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 256. Cognitive Archaeology. 3 Units.
Have you ever wondered how it is that humans have developed self-reflecting minds capable of meta-representation and other cognitive capabilities? Have you ever pondered how the human mind operates in relation to its cultural context? These are the kinds of questions that cognitive archaeologists explore and the sorts of questions we will discuss in this course. Intersecting several fields including anthropology, psychology, and philosophy, cognitive archaeology is a truly multi-disciplinary field that has contributed significantly to our understanding of the human mind. Cognitive archaeology not only deals with how the mind works and how it evolved, but it also deals with how archaeologists utilize what is known of how the mind operates in order to interpret the archaeological record. Students are expected to enhance their skills at critical reading, thoughtful analysis, constructing logical arguments, and improving written and oral communication. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 260. Spin, P.R., and America Today. 3 Units.
We live today surrounded by spin--corporations don’t fire, they downsize; government pronouncements are assumed to be cynically slanted and misleading; even scholarly medical articles are written by public relations (p.r.) flacks. The guiding principle isn’t truth or reality but the right message and staying on it. How and why has p.r. become such a seemingly potent force in our time? What does this say about America and its values--about even the meaning of truth? In this seminar we will explore the role of public relations and image-making, in American society today. Our objectives are (1) Examine the users of p.r. today in business, politics and popular culture to shape images and define reality; (2) explore the tools used to construct and sell those messages and perceptions and (3) Analyze the values underlying these activities--to the end of deepening our understanding society today. This seminar explores these issues through reading, both academic and popular writing, discussion, and research. The writing assignments will be both academic and various forms of media and public relations formats. We will use class time to discuss and review student writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 264. Government and Race Relations. 3 Units.
Current debates over such issues as immigration and affirmative action raise core questions about the government’s influence upon American race relations. What roles have various governmental entities--e.g., federal courts, state governors, and city councils--played in promoting racial equality or defending racial hierarchies? What roles should they play? And how much can the government (re)shape cultural attitudes and social practices? How much authority over race relations should remain with states and localities, and how much should be exercised by the federal government? This course offers a forum to investigate and debate such questions more thoroughly by examining a range of instances in the period from the late 19th century to the present day in which different kinds of government action have significantly influenced American race relations. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 266. Framing Our Legal System: Law in the Movies. 3 Units.
This course explores important themes in the study of law, lawyers, and legal institutions by regarding their representations in movies. We will cover such issues as race/class/gender and the law, legal ethics, legal education, the adversarial system, and the image and status of the lawyer in American culture. We will also look at the ways in which law and the legal profession affect popular culture and, conversely, the ways in which poplar views of legal problems and lawyers affect law. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 269. Create-A-College. 3 Units.
In seminar format, students will develop plans for a new institution of higher learning, shaping and communicating in several different formats its mission, goals, academic focus, and physical and financial needs. Supporting the course's research, writing, and presentation expectations will be documents from existing colleges, information on the policy and social environment for such a venture, and requirements imposed by external entities such as governmental and accrediting agencies. Course will include interactions among two sets of student teams and several intermediary presentations, culminating in a group presentation of plans for the new college to a panel of experts including current or former members of the University's Board of Trustees and the Ohio Board of Regents. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 270. The Geography of Wealth. 3 Units.
While many of us are familiar with thinking about wealth in social, political and economic terms, wealth can also be understood as a function of geography. This seminar will look at American history and culture to seek a deeper understanding of how place and wealth interact; some of the government policies that affect those interactions; and some of the grand experiments in philanthropy, law, and social policy that have tried to reverse the perceived evils of "concentrated poverty." The seminar will not require an advanced mathematical or statistical background. However, we will analyze how statistics can illuminate (and disguise) issues and problems. We will look at the business corporation as both an aggregator of wealth and as a wealth allocation system. Of necessity we will wander into matters of race, employment, power, class, culture, history, and government. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 271. Schoolhouse Rocked: Education Reform. 3 Units.
Today, the term "education reform" may bring to mind standardized tests and No Child Left Behind. Many believe that our schools must become more rigorous, with stricter rules and definable goals. "Reform," however, used to be defined differently. John Dewey, Maria Montessori, and Paulo-Freire, for example, struggled to make schools freer and more humane. They hoped not to make the classroom less challenging, but more child-centered. Some disciples of such reformers, discouraged by schools' resistance to change, eventually turned to homeschooling--pulling kids out of school and educating them with real-life learning experiences. In this seminar, we will explore progressive educational theory and connect it with contemporary alternative schools and homeschooling. Visits to nearby Montessori and Waldorf schools and discussions with homeschoolers will make real-life connections to seminar reading and classwork. Challenging assumptions about how well our schools work and raising questions such as, "How do we learn?" and "What is good teaching?" will provoke thought, conversation, and interesting writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 274. Passion, Insult, and Virtue in Ancient Athens. 3 Units.
Students explore the social fabric of Athens at its height--the various social and economic institutions that shaped households and the city--state in the fifth and fourth centuries BCE. Primary source material will include courtroom speeches, two comedies of Aristophanes, and Aristotle's Ethics. Topics: lust, love, marriage, prostitution, slavery, elite drinking parties, street life, hubristic violence, competition, feuding murder, the legal system, diverse concepts of virtue, and how ordinary people were expected to treat one another in good times and bad. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 275. Psychology of Creativity. 3 Units.
The purpose of this course is to explore how individuals become creative. What are the most important qualities, emotional and cognitive, that are related to creativity? Is there a creative personality? What is the difference between artistic and scientific creativity? How does creativity relate to mental illness? How can we foster creativity in people? The course will study creativity in children and adults and will include research studies as well as descriptions of creativity from creative individuals. We will also discuss how different cultures view and effect creativity and the ethical issues involved. This course is a seminar and will use a discussion format. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 280. Democracy?. 3 Units.
"Democracy?" poses democracy as a question, in two forms. First, what do we mean by democracy? Second, where should democracy be practiced? Although conventional understandings link democracy to political systems and issues of governance, the course will consider democracy in other institutions and locations. Course questions include: What is democracy? Why do we value democracy? Does democracy in the state require democracy in the economy? What would that look like? What are the potential conflicts between economic and political democracy with full citizen involvement? Is direct democracy democratic? Does democracy in the state require democracy in the family? In universities? In the workplace? In prisons? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 283. Life is a Contact Sport. 3 Units.
This class will take students places most people have never been. We'll come face-to-face with the homeless, explore the realities of prison life, and meet people who struggle to survive in the wealthiest country in the world. We'll also meet people who have demonstrated both the vision and commitment to be change agents making a difference in the world. The interdisciplinary course will examine the shadow-line between self-interest, greed, and the common good in a capitalist society. We will look at the needs and (sometimes competing) values in democracy. We will examine ethical systems and discuss the role that leaders, managers, and ordinary citizens play as moral agents in promoting integrity and social responsibility for a just society. From interactions with real people, readings, and class discussion, the course challenges assumptions and explores core values to stretch your intellectual, ethical, and social muscles. Life is a contact sport that asks you to engage, to participate in making your talents and presence felt, not merely sit on the sidelines watching. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 284. The Kaleidoscope of Birth. 3 Units.
The course will explore topics in science, technology and culture across time as they relate to the social construction of birth. Students and faculty will critically examine the seminar topics through an interdisciplinary approach. The learners will develop their own understanding of how science and technology related to birth have and continue to change. What happens when newer technologies supersede the old? What happens when older ideas are revived? Students will be introduced to the influence of culture and technology. Methods of oral and written communication will be enhanced via assignments. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285A. Ethnicity and Local History. 3 Units.
This course will explore the many different kinds of ethnic communities to which we belong. Why have local ethnic groups formed arts and cultural organizations, sports clubs, charities, and other groups which highlight their difference? How have these local groups operated within larger, national ethnic groups and how have they helped us negotiate our identities as citizens, members of religious communities, and/or members of other nations? To what extent have these groups been successful in encouraging future generations to identify with the ethnic group? Our starting point and focus will be an examination of theories of civil society, ethnic identity formation, and nationalism. We will then turn to an examination of the ethnic communities in the Greater Cleveland area. This study of our own local context will then be followed by a consideration of ethnic organizations in other parts of the world. As we consider how ethnic communities have developed and changed throughout history, we will also examine our connections to these communities and, it is hoped, gain a better appreciation for the diversity which surrounds us. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285B. Advertising and the American Dream. 3 Units.
This SAGES seminar will explore advertising in America, its social and cultural roots, and its impact (or lack thereof) on our values, tastes, and behavior as consumers and citizens. It is hard to find a space in the contemporary world that is not plastered with ads--from the Coke cups next to the judges on "American Idol" to stencils on the sidewalks we walk on. This blizzard of advertising images may, in fact, define our age. We will examine the forces that created this giant American industry and ask: Why do we have advertising? How is it created? What social functions does it serve? How has it changed? Where is it going? Central to this seminar is discussion, research, and writing to analyze and critique this in-our-face, but little understood, social institution. Some of our discussions will flow from advertising industry news (e.g., the Super Bowl ads), a contemporary or early 20th century ad campaign, or the backstage insights of a guest from one of Cleveland's major ad agencies. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285C. Music and Cultural Expression. 3 Units.
In this seminar, we will focus on the recent history of music and the role it plays in our culture today. Music is a form of cultural expression that creates meaning with narrative elements in a way similar to novels, poetry, drama, and other typically literary forms; we will consider various genres of music as well as various genres of literature that depend on music to complete their expression. But music is also one of the most obvious ways we participate in our culture, and musical taste can help define our sense of ourselves and where we belong in culture. We will read some identity theory to determine how and why music helps us create identity from and within the culture around us. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285D. Advertising and the American Dream. 3 Units.
This SAGES seminar will explore advertising in America, its social and cultural roots, and its impact (or lack thereof) on our values, tastes, and behavior as consumers and citizens. It is hard to find a space in the contemporary world that is not plastered with ads--from the Coke cups next to the judges on "American Idol" to stencils on the sidewalks we walk on. This blizzard of advertising images may, in fact, define our age. We will examine the forces that created this giant American industry and ask: Why do we have advertising? How is it created? What social functions does it serve? How has it changed? Where is it going? Central to this seminar is discussion, research, and writing to analyze and critique this in-our-face, but little understood, social institution. Some of our discussions will flow from advertising industry news (e.g., the Super Bowl ads), a contemporary or early 20th century ad campaign, or the backstage insights of a guest from one of Cleveland's major ad agencies. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285E. Music and Cultural Expression. 3 Units.
In this seminar, we will focus on the recent history of music and the role it plays in our culture today. Music is a form of cultural expression that creates meaning with narrative elements in a way similar to novels, poetry, drama, and other typically literary forms; we will consider various genres of music as well as various genres of literature that depend on music to complete their expression. But music is also one of the most obvious ways we participate in our culture, and musical taste can help define our sense of ourselves and where we belong in culture. We will read some identity theory to determine how and why music helps us create identity from and within the culture around us. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285F. Spectacle in American Culture. 3 Units.
This seminar will examine the topic of spectacle both chronologically and typologically to better understand the power of remarkable visual experiences to awe, entertain, persuade, and create meaning from the colonial period to the present day. In the 17th century, the religious beliefs of the New England community and its need to maintain social cohesiveness gave rise to the spectacle of witch trials and public punishments. As Americans moved westward, the natural world became the focus of the spectacular. In the nineteenth century, the campaigns and debates of presidential candidates became political theater. The latter half of the century gave rise to Consumption as Spectacle as exemplified in the may expositions and World's Fairs. Today, spectacle has reached all facets of our lives. Americans are willing to expose the most intimate details of their personal relationships on television shows like Jerry Springer and The Real World. Although frequently used to maintain power, spectacle also has been employed as a tactic of resistance and as an instrument for creating alternative meaning by subcultures. More recently, spectacle has served as an instrument of terror. Through lectures, discussion, multimedia presentations, and writing assignments, we will have an opportunity to reflect on the many forms and uses of spectacle in American history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285G. Advertising and the American Dream. 3 Units.
This SAGES seminar will explore advertising in America, its social and cultural roots, and its impact (or lack thereof) on our values, tastes, and behavior as consumers and citizens. It is hard to find a space in the contemporary world that is not plastered with ads--from the Coke cups next to the judges on "American Idol" to stencils on the sidewalks we walk on. This blizzard of advertising images may, in fact, define our age. We will examine the forces that created this giant American industry and ask: Why do we have advertising? How is it created? What social functions does it serve? How has it changed? Where is it going? Central to this seminar is discussion, research, and writing to analyze and critique this in-our-face, but little understood, social institution. Some of our discussions will flow from advertising industry news (e.g., the Super Bowl ads), a contemporary or early 20th century ad campaign, or the backstage insights of a guest from one of Cleveland's major ad agencies. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 285K. The Economics of Global Poverty. 3 Units.
Developing countries make up at least three-fourths of the world population. This course focuses on international aspects of economics of the developing world. Questions we will ask include: why are the poorest countries failing to thrive, what can be done about it, and can the rich afford to help the poor? The term "developing country" means a country that exhibits low per capita income, high poverty level, little industrialization, or low life expectancy. However, these problems also affect developed countries. Why, then, do we study poor countries' economies separately from those of industrialized nations? The answer lies not in the types of problems but in the severity and causes of these problems. It is these issues, the causes and consequences of global poverty, and solutions to help the world's poorest, that concern us here. Raising people out of poverty requires economic growth, a more even income distribution, investment in education, health care, and infrastructure, social safety nets, honest political leaders, reliable social and financial institutions, and international aid from rich countries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285O. Cities (Deconstructed). 3 Units.
This seminar will look at the history of cities, real and imagined, in terms of deconstruction, both in the sense of physical destruction and literary analysis. We will explore how societies have brought about, and reacted to, the destruction of buildings, neighborhoods, and entire cities at the hands of economic development, terrorism, war, neglect, decay, and natural disasters such as fire, flood, and earthquake. In addition we will read cities themselves as texts. Architecture, public parks, billboards, graffiti, surveillance cameras, sidewalks and alleys all contribute to the discourse of what a city means. Part of that discourse includes the depiction of cities in the creative arts. We will examine works of fiction, still photography and motion pictures, art installations, and music that imagine, or comment on, the deconstructed city. Through lecture, discussion, textual analysis, multimedia presentations, and writing assignments, including a research project in which students will be asked to write a cultural biography of a building, Cities (Deconstructed) will help students confront these questions, and will prepare them to make informed decisions about sustaining the built environment. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285P. China in Transformation and Globalization. 3 Units.
This seminar introduces students to major economic, social, and cultural developments in China over the past quarter century, taking as its particular focus the way in which China experienced changes such as consumption, education, migration, and tourism as a result of economic reforms, trade expansion, foreign investments and technology transfer, and the development of information technology. The seminar will also assess the impacts of various aspects of globalization on these changes and vice versa. This seminar promotes broad knowledge of—and increased appreciation of the importance of diversity in China's cultural past, social frameworks, economic conditions, and natural environment. In a close connection to the primary readings, which include several recent relevant works, the students will be exposed to a variety of related primary and secondary materials (such as texts, photos, film clips, music, songs, and websites). In addition to receiving informative yet concise instruction, the student will also be involved in practice in critical reading and thinking, in writing and orally presenting research papers. In these activities, the students will be introduced to basic methods and concepts critical to the understanding of important economic, social, and cultural developments and changes as products of movements rather than isolated incidents. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285Q. Paradigms, Ideologies, and World Views. 3 Units.
The purpose of this class is to analyze the different ways in which people view the world, and the consequences of adopting any particular perspective. Our first primary area of inquiry will be the degree to which the scientific community meets its ideals. We will explore how dominant paradigms develop and slowly change based on sociological and psychological principles that are far from the idealized notion of scientific process. Then, we will explore modern political ideologies in order to assess how fundamentally different assumptions about how the world works lead to fundamentally different conclusions about ideal policies. We will then discuss the degree to which ordinary citizens follow such ideologies. As an alternative to an ideological world view, we will then examine the concept from psychology known as the, "schema," and we will discuss how schemata affect political perceptions. Finally, we will discuss how even so-called experts are subject to errors in judgment based on their assumptions about the world. This is a University Seminar, so the class will also set aside time to discuss writing. The schedule has several sessions set aside for writing instruction (labeled, writing day or, writing week). On these days, class will be led jointly by the professor and the writing liaison to discuss writing technique. For most of these sessions, you will be asked to participate in a writing exercise, to be discussed immediately afterwards. For some sessions you will be asked to bring in outlines, thesis statements, sample paragraphs, or other preparation work for course assignments. You will be informed the week prior when you will need to bring such a sample to the writing session. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 285S. Correspondence. 3 Units.
Correspondence will look at the practice of writing and reading letters, and explore the use of letters as biographical, historical, and forensic evidence. Students will read love letters, "Letters to the Editor," letters from the battlefield, and correspondence between scientists and theologians. We will gain access to the experience of tourism through post cards, and the world of the modern corporation through business letters, emails and text messages. We will read examples of fiction where the letter acts as a plot device, as in the epistolary novels of the 18th century. We will think about the function of the letter as an instrument of persuasion, as an opportunity to develop ideas in a private and informal manner, and as a forum for expressing emotion. In addition, we will study the communication systems and technologies, such as the post office, the telegraph, and the internet, that have facilitated, and changed the nature of, correspondence throughout history. Students will be asked to write letters based on their personal experiences and their political opinions, and write analytical essays based on topics related to the practice and history of correspondence. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285T. Why We Believe Weird Things. 3 Units.
How, in such a skeptical age, can people maintain questionable beliefs regarding urban legends, alternative medicine, superstitions, and paranormal phenomena? How do cults manage to attract and maintain large memberships? How can so many seemingly normal people come to the conclusion that they have been abducted by aliens? We will explore the idea that these behaviors are not examples of pathological thought processes, but rather natural consequences of the biases that characterize everyday reasoning. Emphasis will be placed on critical examination of questionable phenomena with a goal of understanding why people might want to hold such beliefs. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285V. Travel Literature in the Age of Discovery. 3 Units.
The discovery of the Americas in the 15th century challenged European constructions of the known world and tested assumptions about nature, culture, and the workings of intellectual inquiry. Although before 1492 Europeans traveled, they usually read new landscapes in light of familiar religious paradigms. The discoveries forced Europeans to draw the world anew, literally and metaphorically. Students will read works of travel fiction and real-life travelers’ tales, and will address the following questions: how did travel literature reflect successive discoveries? What new maps (geographical or metaphorical) did this literature help draw? How did the discoveries bear on literary genres? After a brief foray into medieval literature, students will read The Tempest, Oroonoko, excerpts from The Persian Letters, excerpts from Gulliver's Travels, Robinson Crusoe, Candide, and A Sentimental Journey. Additionally, students will read brief accounts of actual travels. Students will write three papers and prepare presentations on topics such as pilgrimage routes, map making, the search for longitude, and America in the visual arts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285Y. Quest for Perfection: Law as a Vehicle for Social Improvement. 3 Units.
Americans often seek to use U.S. law to create "fairness" and "civility"--in a world that can sometimes be brutal and fundamentally unjust. Increasingly, we rely on courts and statutes to "fix" identified social problems and to achieve a more just society. This course will examine our reliance on law to improve human behavior and to achieve social goals. Can statutes and lawyers lead the way to a better world? What are the limits (if any) of our ability to improve society by passing new laws and mandates? Are there unforeseen, negative consequences that arise from our legal efforts to improve public and personal behavior? This course will examine those questions in the context of selected social issues. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 285Z. Mastering the Masterpiece: Looking Closely at Great Works of Visual Art. 3 Units.
Masterpiece: This oft (ab)used epithet, applied to everything from a pre-schooler's finger painting to a Picasso portrait, suggests a creative enterprise of unrivaled achievement and quality. Using some of the finest examples of human creative expression--specifically, work on view at the Cleveland Museum of Art--this SAGES seminar will celebrate, critique, and question the "masterpiece" designation. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286E. Global Tourism. 3 Units.
Tourism can be viewed as a metaphor for contemporary existence in an increasingly globalizing world where attachments and ties to a concrete place are often temporary. Besides capturing the essence of present-day mobility, tourism is a phenomenon that can be researched both politically and economically. Indeed, 10 percent of global GNP comes from tourism and many poor countries rely on the tourism industry to sustain national economic development. In this class, we will touch on the economic and political significance of tourism, but will spend most of our time thinking of what happens in the tourist encounter, what tourists expect, what drives them, and who loses as well as benefits in the encounter. Some of the specific themes include: the nature of tourist destinations, quest for authentic sites, entertainment tourism (Disneyland, Dracula-Park), tourism to Auschwitz, culinary tourism, sex tourism, and eco-tourism. By reading theoretical works, travel blogs, and literature, we will gain insight to the motivations of tourists, the inhabitants of the places being visited, and international organizations as well as governments who oversee this industry. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286F. Environment and Civic Culture in the Developing World. 3 Units.
Can the fight against environmental degradation lead to an improved civic culture and political reform in developing nations? Developing nations typically sacrifice environmental protection in favor of economic development. Only when the costs of environmental degradation become obvious do nations consider a sustainable development regime that includes environmental protection. This seminar addresses whether implementing a sustainable development model requires a new civic culture that encourages political reform. In doing so, students will examine and write about literature on economic development, environmental degradation, and several international initiatives that encourage reforms to aid sustainable development. The seminar will use the People's Republic of China as a case study, but will also draw on evidence from other developing countries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286G. Race in the Americas. 3 Units.
This course examines the history of race relations in the US and Latin America. Its premise is that modern race relations are not only the legacy of a distant slave past, but also the product of continuous cultural and political readjustments to new times and conditions. The class starts by examining the colonial development of race-based political and economic system in the Americas. It continues by exploring how racial hierarchies were re-created as nations in the Americas went through enormous political and economic changes in the 19th and 20th centuries. Students will conduct a small history research project on how race relations have affected a person, institution, city or neighborhood’s history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286J. Women’s Education at CWRU: The Flora Stone Mather Oral History Project. 3 Units.
This seminar will offer a discussion-based exploration of the history of women’s education in America. Much of the discussion will focus on the emergence of coordinate colleges, including the College for Women (later renamed Flora Stone Mather College) at Western Reserve University. The seminar will also give students an opportunity to contribute to the historical literature by conducting interviews with Flora Stone Mather alumnae. Students will be instructed in the basic principles and techniques of oral history and engage in the creation of primary source materials—tapes and transcriptions—essential for historical documentation. They will then reflect on the relationship between the stories they have collected and the present-day educational experiences of women at Case Western Reserve University. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286L. Exploring Non-Profit Organizations. 3 Units.
This seminar is structured to expose students to the opportunities and challenges of working in and running non-profit organizations. Students will explore the importance and significant roles non-profit organizations play in our society. The class will learn how non-profits are organized and regulated and the importance of the organization’s mission is to determining the impact of the non-profit organization in the community. Additionally, the students will learn how non-profits are funded and how these organizations maintain their financial stability and sustainability in the community. These goals will be accomplished through group analysis of non-profit organizational principles, and investigation of existing non-profit organizations. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286M. Hip-Hop Narrative in Film. 3 Units.
This seminar explores films of the Hip-Hop Generation and, by presenting certain films in chronological order, draws out the common threads. Hip-Hop culture is a conversation, an argument between the haves and the rest of us. The goals and objectives of that conversation have evolved and changed in timbre and urgency. Tracking that dialog through the late 60s, the post-civil rights era, the emergence of the b-boy, Reaganomics, and the rise of the new Black middle class helps us to get a better look at where it is and where it’s going. By isolating the stories told by filmmakers within a certain period and then analyzing their place in the larger Hip-Hop narrative, the instructor and the students can infer truths about the politics and zeitgeist of the times in which the film works were conceived. This course will consist of lots of film, yes, but also lots of reading and writing. Upon successful completion, the student should be able to recognize and define the Hip-Hop narrative in popular cinema, focus critical thinking skills, pull the narrative from certain films and discuss it, note and discuss the visual aesthetic and how it impacts the story, and discuss the marketing, packaging, and cultural impact of the Hip-Hop narrative. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286N. Nazi Art Theft and Its Aftermath. 3 Units.
During World War II the German government perpetrated one of the most egregious and extensive art thefts in the history of human kind. The Nazi party's desire to gain control of Europe involved their prolific confiscation of the great art treasures of European public and private collections, particularly those belonging to European Jews. This seminar will explore the Nazi's deliberate war looting campaign, its aftermath, and the current issues surrounding the reclamation of stolen works and the restitution claims yet to be settled. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq; FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286O. Place, Religion, and Public Life. 3 Units.
What is the place of religion in everyday life? How do people contend with conflicting beliefs about the proper relationship between religion, politics, and personal conduct? How do they decide which kinds of religious behavior belong in public and which belong in private? How do they decide what counts as a "private" or "public" place to begin with? Where does religion belong? In this seminar, students will explore these questions at a range of scales, from the local to the global. They will ask how secular and religious thought interact to shape social life in a range of material and virtual spaces, from Case to Facebook. In so doing, they will learn to approach the religious/secular divide from a broadly ethnographic perspective. Focusing mostly on the United States but also considering case studies from other parts of the globe, students will examine how diverse groups practice their faiths, express their beliefs, and contend with secular institutions and expectations in everyday life. Coursework will include trips to local neighborhoods and institutions, readings from a broad range of fields in the social sciences and humanities, and a fieldwork-based research paper. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq; FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286P. Immigrant Entrepreneurs--Can They Drive Cleveland's Economy Once Again?. 3 Units.
This seminar will focus on the impact of immigrant entrepreneurs in Cleveland--past, present and future. The class will take a look back at the historic contributions immigrant entrepreneurs played in creating economic prosperity in Cleveland during the 20th century. While immigrant entrepreneurs once played a central role in driving Cleveland's economic success, in recent years the city has attracted much less foreign talent than other faster growing U.S. metropolitan areas. Cleveland's population is at its lowest level since 1903 and continues to shrink. Chicago, Philadelphia and Louisville, among other cities, have embarked on efforts to attract foreign talent to not only address the "brain drain" of young people leaving their cities but also to spur economic development. In a March 29, 2009 editorial, The Plain Dealer argued for a more proactive approach in Cleveland to attract foreign talent: "If Cleveland is to regain its lofty status--especially in a global economy that rewards intelligence, creativity and innovation--it needs to re-establish itself as a magnet for new Americans. We need their fresh ideas, entrepreneurial zeal and optimism. We need them to help reverse decades of migration away from the region's urban core." The culmination of the seminar will examine the question of whether Cleveland should proactively recruit foreign talent and look closely at the public policy, regulatory and political challenges that must be overcome in order to effectively do so. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq; FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286Q. History of Late 20th Century Popular Culture. 3 Units.
This course focuses on American popular culture of the late twentieth century (c. 1970 to 2001). Students will analyze this period using a variety of historical texts and primary sources (everything from more "traditional" sources such as printed materials to films, television episodes and clips, music and sound lyrics, fanzines ["zines"], graphic novels, and music videos). Secondary sources include history essays and monographs, as well as articles by scholars employing critical theory. Students will explore whether "products" of popular culture perpetuate power structures and help to shape the discourse of late twentieth century American culture. Moreover, they will examine how individuals contribute to and challenge the discourses as consumers and creators of pop culture. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq; FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286S. Mystics, Inquisitors, and Deviance in the Early Modern Spanish World. 3 Units.
What role does religion play in constructing social norms? Does religion function primarily to enforce social conformity and maintain the status quo, or does it give a voice to protest and dissent from marginalized individuals and groups? Within the Christian tradition, these questions have transcended time and place. This course explores these questions in the context of sixteenth-century Spain. Similar to contemporary American society, sixteenth-century Spain seemed to encourage religious fervor, but did not tolerate religious figures or groups that threatened the status quo. During this time, Spain experienced an explosion of individuals who claimed to have direct experiences of the divine, and authorities invested much time and energy to differentiate between authentic, orthodox mysticism, and fraudulent heresy. In the last 40 years, social theory has allowed historians to unlock the relationship between religion, gender, authority, and social structure. These issues are at the forefront of contemporary approaches to sixteenth-century Spanish mysticism, as the vast majority of individuals claiming mystical experiences were women. Even those who were judged to be orthodox had voiced strong criticisms of Spain's church and government while alive, but after death were celebrated for their obedience. We will examine a variety of media that represent mystical experience in Spain's Golden Age, including: short stories, autobiography and biography, mystical texts, inquisition trials, and works of art. Additionally, we will encounter how the legacy of Golden Age Spanish mysticism has been transmitted to our own time in historical narratives and film. Thus, the goals of this course are twofold. Students will learn to employ a contemporary academic lens and gain understanding of a historical context that is both similar to, and different from, our own. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq; FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 286U. Ideal Communities, Utopian Visions, and Totalitarian Nightmares. 3 Units.
This course will study communal attempts to form ideal societies and will offer a transcultural, transhistorical view of how various authors and filmmakers have imagined the best and worst possibilities of human society. Its central questions are: How can society be improved? What role does education play in improving society? How do you define freedom? How can we combine freedom with social order? How can social problems be critiqued through representations of ideal or dysfunctional societies? The course will be interdisciplinary by combining historical study with analysis of literature, film, art, and music. In studying and discussing utopian communities, students will examine the problems that each community attempted to solve, their philosophical approach to solving these problems, the success or failure of their solutions, and the similarities and differences among these communities. In studying utopian and dystopian literature and film, we will analyze the problems and solutions that each text or film examines and proposes, and will look at each text or film in its social and historical context. We will also explore how authors and filmmakers have used their utopian and dystopian visions to respond to the positive or negative trends in their own societies. In addition, we will discuss how each text or film coincides with or challenges our perceptions of the strengths and problems in our society and how we might solve those problems. This course will encourage students to think about the kind of world they would like to help bring about, as well as the various social problems that may darken the future of the human race. Students will write in class regularly about these issues as well as the assigned readings that raise these issues, and will write essays about ideal communities, utopian texts, and dystopian texts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286V. Management of Chronic Illness in a Cultural Context. 3 Units.
This course will explore the cross cultural, self-care approaches to health problems. It covers substance-based (e.g., herbs, acupuncture), mind-body (e.g., yoga, qigong), spiritual (e.g., prayer) and social (e.g., communal, family) approaches that have been used to manage chronic diseases and promote wellness in various cultural settings. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286X. The Future of News. 3 Units.
The saying goes, "Strong Press, Strong Democracy." But what of strong democracy in the Internet Age when the traditional press seems weak? That’s this seminar’s big question. Can the "old" media, struggling to avoid financial collapse, still deliver the news necessary to be democracy’s watchdog, as in the past? Can the new Internet media--blogs, YouTube, viral videos, "hyperlocalism" experiments, pro publica investigations, crowd sourcing, instant news, Facebook, Gawker, True/Slant, Drudge and the proliferation of the other news and entertainment sources--take its place or complement traditional journalism? How do these new entrants change the nature of news and the role of the media in our society? These are uncharted developments, but they go to the heart of the continued success of America’s democratic experiment. Our goal is to grasp more clearly the connections between media, news, citizenship and democracy in this new age. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 286Y. The Holocaust and Local History. 3 Units.
The Holocaust and Local History will focus on how the events that make up the Holocaust affected communities in both Eastern Europe, where the most horrific crimes of the Holocaust occurred, and in the United States, where the Jewish community responded to the events with both astonishment and action. A focus on local histories will illustrate the legacy of the Holocaust and help students understand how history directly affects their own lives and the lives of those around them. The goal is to uncover the role that this complex history continues to play in our daily lives, whether in the small towns of Eastern Europe or the suburbs of greater Cleveland. Topics will include the course of the Holocaust in towns in Eastern Europe, the effects of the Holocaust in American communities like Cleveland, and the commemoration of the Holocaust and memory of local Jewish communities in Eastern Europe. Students will examine these topics with the help of primary and secondary sources, hear from local survivors of the Holocaust, and learn more about how the Holocaust is represented in local museums. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287B. Migration in Human History. 3 Units.
The movements of individuals and groups, along with the ideas, technologies, and diseases that accompanied them, have played an integral role in shaping human history. Migration has continually created, challenged and shaped societies from the most ancient periods through to the present. It has a transformative effect on communities at the points of origin, along migration routes, and at temporary and final destinations. This seminar will introduce students to several different ways of thinking about migration throughout history, from the contacts between nomadic and settled societies, to colonial settlement and diasporas and migration from rural towns and villages to industrial cities, as well as the ongoing mobility at the highest and lowest levels of modern society. Indeed, many contemporary conflicts of class and culture can be traced back to migration, in the interactions between those seen as migrants and those who consider themselves natives. This seminar will also encourage students to consider the importance of different forms of migration in their own lives, in the histories of their families, and in the city around them. Cleveland is a city founded by migrants from Connecticut (hence the 'Western Reserve' in the name of the university), populated by both transatlantic and internal American migration, and shaped by the local migrations that affected ethnic neighborhoods, suburbs, and smaller towns throughout the region. Compared to historical migrations of thousands and millions of people, such movements may seem minor, but they can be studied and understood in similar terms. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 287C. Murder in the Jazz Age. 3 Units.
Having lived through the devastation and consequences of World War I, you might think that Americans would have been appalled by the violent murders that marred the 1920s. To be sure, they were. Americans were also drawn to the infamous murders as though understanding these crimes would enable them to explain the changes in society, such as changes to gender rules and urbanization, brought about and accelerated by the war. In this class, we will examine the major crimes of the decade in the hopes of gaining the insight that the people at the time sought. The course readings include secondary sources that provide an analysis of the decade and primary sources from the murder cases themselves. In addition, students will become familiar with the historical context and scientific advancements that gave birth to modern forensics. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287E. Clash of the Titans: Economic, Industrial and Social Trends for the 21st Century. 3 Units.
Since the beginning of recorded human civilization, locally dominant societies have risen, prospered, decayed and finally ended, with new ones taking their place. Starting in the 15th century, however, Europe established global dominance and maintained it for four centuries, from the age of New World exploration through the Industrial Revolution of the 19th century. Then came the rise of the United States, which in the late 20th century became the world's only superpower, economically, industrially, militarily and, increasingly, culturally. In the late 20th and early 21st centuries, we are witnessing the "flattening" of the world due to the technological revolution, a phenomenon brought about by the instant and worldwide generation of and access to information. Two major consequences of this evolution are: a) Individuals are more empowered than at any time in history and the traditional societal structure is under constant challenge; b) Companies have changed their business structures and practices and have begun to operate on a truly global scale. The main goal of the course is to help students learn the lessons of history and use them to develop an educated argument as to the instant and worldwide generation of and access to information. Two major consequences of this evolution are: a) Individuals are more empowered than at any time in history and the traditional societal structure is under constant challenge; b) Companies have changed their business structures and practices and have begun to operate on a truly global scale. The main goal of the course is to help students learn the lessons of history and use them to develop an educated argument as to whether the US will continue in its prominent leadership role, or whether one or both of the emerging Asian economic powerhouses, China and India, will supplant it and become dominant. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287J. Education in sub-Saharan Africa. 3 Units.
The level of education in sub-Saharan Africa is much lower than in the United States. In some sub-Saharan countries, less than 20% of the adults are literate, less than 10% have a secondary school education, and less than 1% have a college education. The low level of education keeps the region in poverty--most households in sub-Saharan Africa have no electricity or running water. This seminar will address the barriers that hinder education in sub-Saharan Africa, and explore ways to overcome these barriers. The barriers have a broad range of origins, including economic (not enough money for teacher salaries, books, and school maintenance), societal (education not seen as important, especially for girls), technological (lack of electricity and transportation), institutional (widespread corruption in government), and medical (AIDS, malaria and diseases from unclean water cause student absences and orphan students). Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287O. Utopia and Social Change in American Fiction. 3 Units.
The purpose of this course is to increase the students' awareness of selected social constructs within the global society (i.e., vulnerability) that have the potential to generate circumstances that place some individuals or groups at risk for marginalization and diminished well-being. The course will be conducted within a seminar format and will provide opportunities for scholarly inquiry and debate regarding the nature of the constructs posited. Students will critique each other's social constructs with intention to generate innovative strategies to reduce individual and global marginalization. Each student will prepare a formal written report of their findings related to their construct of interest. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287R. The Business of Sports-Content, Television, Social Media, Consumer Products, Advertising & Marketing. 3 Units.
The sports industry is experiencing rapid growth and is expected to become one of the nation's top 25 industries by 2030. This seminar will explore five elements of the business model that is driving this growth: content, television, social media, advertising, and consumer products. In addition, it will examine the marketing of these five elements. Students will be graded on class participation, essays, and a final paper. They will be asked to read weekly articles on each aspect of the sports industry and to participate in social media sites in order to understand how powerful this platform is to the sports business. In addition, they will work together in groups to create their own sports marketing websites and present these sites for evaluation by the entire class. The results of the evaluation will contribute to their grade for this part of the course. Guest lecturers for the seminar will include nationally recognized experts and representatives of the sports industry, many of whom visit northeast Ohio for sporting events. Students in the course will acquire a unique perspective on a business that is projected to become one of the world's leading growth industries in the 21st century. Prerequisite: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prerequisite or Corequisite: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSO 287T. Gender, Visibility and Performance: The Courtesan. 3 Units.
Throughout history, the figure of the courtesan has embodied seduction, performance, and mystery; occupying the private spaces of the real and the imaginary across cultures. The impact of the courtesan on society can be seen in travelogues, poetry, and historical treatises, as well as in texts written specifically about courtesans themselves. Those cultures which had a courtesan class frequently experienced varying degrees of social discomfort. Within the culture, there was tension between those who patronized courtesans and those who considered them a social menace. From without, cultures which had courtesans were believed to be either excessively decadent or highly civilized, depending on the cultural standpoint of the observer. In this seminar, we will study real courtesans as well as examine the figure of the courtesan within the context of literature, religion, music history, and gender theory. The seminar will begin with an overview of the origins of the courtesan, focused on the roles of women and slave musicians in the court and temple in Egypt, India, Greece, and Mesopotamia starting in 3,000 BCE. Then, we will explore factors leading to the development of a courtesan class and compare the roles of courtesans and their place in their culture in Europe, India, Asia, and the Middle East. Readings and class discussion will encompass issues relating to the impact of gender on performance, literary genres, education, and social and legal status, as well as continuing questions related to translation of primary sources, colonialism, and religious movements. In addition to the readings, we will also study images of the courtesan from antiquity to the present, listen to music by and about courtesans, sample some of their writing, and watch films about "real" courtesans. The primary goal is not only to look at the impact of courtesans in history, but also to engage issues related to gender and performance from a variety of different disciplinary and cultural points of view. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287V. The Public and the Past: History in the Marketplace. 3 Units.
How does one or should one "sell" the past? Our primary encounters with the past are not in the university classroom, but via popular media, museums, theme parks, and historic sites; entities whose survival is increasingly dependent upon market economics. This dependency often demands attention to audience size and the need to avoid controversies that could alienate private and public funders. Complicating this is the issue of heritage—the somewhat mythic pasts which individuals, groups, and nations claim as their right, even when research challenges the underlying myths. What then are the consequences, in terms of ethics and accuracy, or in terms of civic value, when one turns history into a heritage-based commodity? More specifically, how does this affect professional historians? Can they work in history outside of academe without sacrificing integrity and standards? The seminar will debate these critical questions and also take an in-depth look at the growing field (positions, products and potential) of public/applied history. Readings, documentaries, interviews, and on-site visits to public history institutions will provide the basis for our discussions and the written assignments in this seminar as well as serve as an introductory course for students interested in a career in public or applied history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 287Z. Concubines, Soldiers and Field Hands: World Slavery from Antiquity to the Present. 3 Units.
For many Americans, the most familiar type of slavery is plantation slavery of the Americas and the horrific consequences to the indigenous peoples and transplanted peoples from Africa. The longevity of the institution of slavery, and acceptance of the practice by many different cultures and belief systems, however, reaches from antiquity to the present day. In addition to providing physical labor and domestic services, slaves have been used as entertainers, civil servants, led armies and served in temples. Slavery is a complex legal, religious, moral and social institution, and the relationship between slave, state and owner/master is equally complicated; so much so that understanding the bond between them, and what the actual boundary was between "free" and "un-free", is still difficult to determine in some cultures. In this seminar, we will use a chronological framework to examine the institution of slavery, uses for slaves, methodologies and sources for studying slavery and the slave trade in world history. Beginning with slavery in the Ancient Near East, Egypt, Greece and Rome, the class will include slavery and the feudal system in medieval Europe, indented servant and concubinage, slaves in the early Islamic courts, the Ottoman slave trade, the African slave trade and slavery in the Americas, and the current problem of human trafficking. Within each section, students will read primary texts and recent scholarship examining the social, economic and religious rationales behind slavery. We will also study different methodologies and the impact of gender, race and social class on the study of world slavery. As many slave cultures had different definitions for what it meant to be a slave, we will address questions related to translation, interpretation and perception when dealing with primary sources. The primary goal of the course is to provide a broader context for the institution of slavery in world history as a means not only to understand the impact of slavery has had on American culture, but on other cultures as well. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSO 288B. Doing Good: How Nonprofits Change Lives. 3 Units.
The American economy is made up of three sectors: government, business, and nonprofit. It's pretty obvious what government and business do, but the activity of nonprofits, while it is everywhere, is much more subtle. A nonprofit is most likely where you were born, went to school, attend church, or adopted your family dog. If you became an Eagle Scout, watched "Sesame Street," attended a benefit concert, or participated in a walk for a cause, you were engaged with a nonprofit. Perhaps you haven't given much thought to the way the organization was structured, where it gets its money, or what kind of an impact it's really having. In this seminar, students will learn what nonprofits are, how they operate, how they influence everyday lives, and their role in advancing social change and a civil society. We will consider the economic impact of nonprofits as well as their role in protecting culture, environment, values, and heritage. We will also look at the key challenges facing nonprofits today and how they are addressing them. Writing assignments will include a grant proposal for a new or existing nonprofit. The seminar will feature guest speakers and class visits to nonprofits in the Cleveland area. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
**USSY 288C. Green Transformation and Globalization. 3 Units.**

This seminar introduces students to the recent major green transformation in China and elsewhere in the world, focusing on the way the green changes took place in relation to globalization, environment and climate protection, technology innovation, income redistribution, domestic consumption, and education, to meet the challenges of financial crisis, climate change, energy insecurity, and international competition. The seminar will also assess the impacts of various aspects of green transformation and globalization on today's and future world and vice versa. This seminar promotes broad knowledge of-and increased appreciation of the importance of diversity in China's cultural past, social frameworks, economic conditions, and natural environment. In a close connection to the primary readings, which include several recent relevant works, the students will be exposed to a variety of related primary and secondary materials (such as texts, photos, film clips, music, songs, and websites). In addition to receiving informative yet concise instruction, the student will also be involved in practice in critical reading and thinking, in writing and orally presenting research papers. In these activities, the students will be introduced to basic methods and concepts critical to the understanding of important economic, social, and cultural developments and changes as products of movements rather than isolated incidents. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSY or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSY Courses**

**USSY 203. Myth, Ritual, and Society in the Ancient World. 3 Units.**

This course introduces students to Greek, Roman, and some near Eastern myth as well as issues of interpreting these stories. The focus will be on myth as a concomitant feature of religious ritual. What do myths and rituals tell us about the society that generated it? What were its values, its collective memories and how do they compare to ours? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSY 204. System Thinking. 3 Units.**

This is a seminar course in which students critically examine the way that language is used to model and analyze the social world and its organizations. System thinking is used by business leaders, economists, policy analysts and planners to represent the socio-economic world so that they can manage it. During the seminar, students will read and discuss key works that lay the foundations of system thinking and will apply system thinking techniques to a socio-economic situation of interest to them. The emphasis will be on questioning the premises of system thinking, surfacing its strengths and weaknesses, and grappling with its ethical implications. Some key ideas related to system thinking that will be explored include: information theory, cybernetics, system modeling, language, meta language, modeling and intervention in social systems. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSY 209. Art and Math. 3 Units.**

Students in this University Seminar will explore relationships between art and mathematics. Topics include: pattern, symmetry and beauty in natural forms; symmetry and proportion in art, architecture, ornament and design; perspective and optics; number, iteration, and infinity; mathematical and computer techniques and themes in art, architecture and design. Note: This class is limited to students participating in SAGES. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSY 211. Beethoven and the Age of Revolution. 3 Units.**

Beethoven's music is symbolic of the age and spirit of change which reached its zenith with the French Revolution. Fueled by political, social, and emotional reactions, his oeuvre was remarkable in every way. From the early works, imitative of Haydn and Mozart, through his truly unique later compositions, Beethoven was revolutionary in his person and in his music. The course will center around specific Beethoven masterworks which are being presented by University Circle Institutions, and student attendance at these concerts will be required. Class sessions will involve discussions concerning the historical and cultural setting, influences, and analytic investigation into these masterworks. Readings will be taken from Joseph Kerman and Alan Tyson (The New Grove Beethoven), Frida Knight (Beethoven and the Age of Revolution), and George Marek (Beethoven: Biography of a Genius). This course is directed towards the general university student, and no specialized knowledge of music is necessary, although certain rudimentary aspects of musical discourse will be covered. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

**USSY 222. Writing Rock and Roll: From the Critical to the Ethnographic. 3 Units.**

To write about music is finally an act of translation. When one writes about music, s/he attempts to bring a thing conceived in one symbolic world into another. The task is neither simple nor straightforward. As one musician, fed up with the critics who put pen to paper in the effort to capture his music, put it: “Writing about music is like dancing about architecture.” And for a moment, this musician’s point might seem apt. The experience of music, often intense, is arguably “beyond words.” Why try to tame it by putting it in the cage of language? This course considers the pitfalls and the possibilities of the symbolic translation that is at the heart of writing about music. Focusing on the writings associated with rock and roll culture (1954-2005), the class will consider the multiplicity of approaches and styles used to capture music. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 226. Probability in Modern Thought. 3 Units.
The idea of probability is ubiquitous in the modern world, appearing in everything from quantum physics to business decision theory, from DNA evidence in court to the insurance industry. Yet there is controversy about the very meaning of probability itself, and any person who encounters probability—which is everyone—should be familiar with that controversy. This seminar examines what we mean by probability axioms. Although there will be some computational work, especially early in the semester, the seminar is not primarily a course on the mathematics of probability. Most of our focus is philosophical, sociological, and psychological, attempting to answer questions like these: In what different ways do we use the concept of probability? To what domains of knowledge can it be rightly applied? Do all legitimate conceptions of probability obey the standard mathematical axioms? How good are people at estimating probabilities? Do all the coherent uses of probability have a common conceptual core? These and other questions will be explored through class discussions and experiments, two papers, and group presentations on a variety of topics. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 227. Travel Writing on Screen. 3 Units.
Through the image of the traveler in a wide range of films, we will examine such issues as border crossing, culture shock, and the nature of memory. Topics include: The Grand Tour, pilgrimage, exile, and imaginary journeys. A group presentation, 5 short-reaction papers, and a take-home final essay are required. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 228. Women in Outer Space. 3 Units.
We will study the history of women astronauts and the representation of women as aliens and astronauts in popular culture. We will see films such as Alien, Apollo 13, and Contact, and will also read two novels. Film and women's studies theory and criticism will be used to examine the texts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 230. Sexualities, Citizenship, and Social Action. 3 Units.
This course will explore themes in both the symbolic and cultural domains. While sexuality and citizenship, in reality and in academic discourse, cuts across the areas, this course will consider methods and concepts (see syllabus for details) in the human sciences and humanities. In the humanities, students will learn fundamental ideas in the philosophy of social science. They will be taught how to recognize, in social theory(s) and theorizing, underlying arguments: ontological, epistemological, and methodological. It is not our purpose to add these ideas to our conceptual language within a discipline or to a specific topic; we will explore how they can be applied to other areas of learning and practice. They will then be applied to a current and highly controversial aspect of academic and political practice: to explore the relationship between sexuality and citizenship. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 235. Towards a New Museum. 3 Units.
How do you know a museum when you see one? How has our idea of a museum evolved, and where is it going? How do we go from mummies to multimedia? Museums are more popular than ever and include some of today’s most exciting architectural designs. Explore the changing nature of museums as buildings, institutions, and cultural symbols. Uncover controversies in the museum community. Are museums sacred spaces or edutainment—or both? How does the architecture reflect what they are and who built them. Active discussion, critical thinking, local field trips, guests from local museums, and thoughtful writing are essential parts of this seminar. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 236. Romance--The Most Comic of Catastrophes. 3 Units.
From ancient Athens to Hollywood, romantic comedies have enjoyed continuous widespread popularity in the theater. In this course we will read a broad spectrum of romantic comedies, from the genre’s beginnings with the Greek New Comic playwright Menander to the Roman Plautus, and on to Shakespeare. We will also watch a modern romantic comedy, Pretty Woman. We will begin the course with some ancient and modern literary theories of intertextuality and metatheatre that shed light upon the relationship between Comedy and Tragedy. Some questions we will ask in this course are: What’s the historic relationship between Comedy and Tragedy? What’s the connection between sex and comedy? What can Romantic Comedies tell us about the audience that is addressed from the space of the stage or screen? Does laughter depend on personal and cultural values and variables? Does comedy have a personal and social function? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 237. The Transformation of the American South. 3 Units.
The purpose of the course is to increase the student’s understanding of the remarkable transformation of the American South from an isolated regional backwater committed to racial segregation to a vibrant, complex, rapidly growing, diverse biracial society that has joined the national mainstream. In fact, a quick look at where our national political leaders have come from recently—President Bill Clinton of Arkansas and President George W. Bush of Texas, to name the two most prominent examples—indicates how central the South has become to the nation. We will explore all aspects of the transformation of Dixie during our course. Central to the story will be political change, although, of course, politics cannot be easily isolated from social and economic life. Thus, it was a grassroots social development—the Civil Rights Movement—that gave important impetus to the key political changes that occurred in the mid-1960s and beyond, as we shall see. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 241. The Birth of the Modern: 1905-1925. 3 Units.

“The Birth of the Modern: 1905-1925” will attempt to answer the question “What is the modern?” by exploring some of the breakthrough works of literature, music, art, and scientific theory in the first decades of the twentieth century. We will study what characterizes the new modes of thinking or “language” of modernity, developed in experimental work across the arts, the sciences, and the social sciences. We will examine some of the major manifestos and statements about the nature of Modernism in order to see how they illuminate, for example, a novel by James Joyce or a painting by Picasso, a composition by Stravinsky, a scientific theory of Einstein’s, or a psychological theory of Freud’s. At the conclusion of the seminar, students will present their findings and write a research paper about “the modern” as it relates to a field of particular interest to them. Prereq: Passing letter grade in a first year seminar in FSAC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 246. How to Make a Leader. 3 Units.

Leaders are both born and made. Some seem to naturally know what to do and some need to study and practice to gain the necessary skills. Both groups can be successful and it usually requires a combination of natural ability and effort to become the very best. Leaders often point to role models as being important to the development of “natural” or acquired ability. This course is appropriate for both those who are intellectually curious about leadership. The course will be divided into three sections. The first part will involve reading and discussions to explore and identify what leaders are like and what they do. During the second part you will observe leaders in action and talk to them about what they think makes them successful. Some examples of what you may observe will include a surgeon in the operating room (theater), a coach with his/her players, an executive in the board room, a concertmaster with his/her musicians and a judge in a courtroom. The third part of the course will involve readings and discussions during which you will develop a personal approach to the level of leadership to which you aspire. Prereq: Passing letter grade in a first year seminar in FSAC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 250. Medical Narratives. 3 Units.

This course examines the relationship between medicine and narrative by exploring the representational structures and narrative conventions that have been used to understand and communicate the experience of illness, to tell stories about the human body, and to diagnose and treat disease. The course focuses on literary texts (including novels, plays, short stories and memoirs) written by doctors, patients, nurses and creative writers, as well as on medical case histories from different cultures and historical periods. It examines such topics as the uses of narrative in medical practice; the uses of metaphor in conceptualizing and representing disease; the ethical dilemmas posed by medical research and practice; the therapeutic value of narrative; the structural similarities (and historical links) between detective fiction and medical case histories; the imaginative function of illness in literature; the cultural myths and iconography of disease in different historical periods; the representation of physical and mental illness and the human body in language and art, and cultural responses to major health crises such as bubonic plague, syphilis, and AIDS. Prereq: Passing letter grade in a first year seminar in FSAC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 254. Nonverbal Communication. 3 Units.

Our purpose is to explore the nature of nonverbal communications and analysis in several different contexts. Because nonverbal communication is so closely related to emotional processes, we will also become acquainted with basic ideas surrounding communication and emotion. Within this framework, we will discuss and apply a variety of theoretical approaches to understanding this channel of human communication. Upon completion of this course, students will have a better understanding of decoding and encoding nonverbal messages. Additionally, the student will have a thorough understanding of the functions of nonverbal communication in social and rhetorical life. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 260. Divisiveness or Dialogue: How We Deal with Difference. 3 Units.

Students in this seminar will explore how the language and images that shape our national discourse contribute to the increasing polarization of American society. What techniques do partisan media manipulators, including politicians, political pundits, bloggers, documentary film makers and televangelists use to shape the perceptions of their audience to reflect an “us vs. them,” “good vs. evil” worldview? Students will also learn how individuals like Martin Luther King and Robert Kennedy used language and imagery to draw us together, and we will explore and practice the use of dialogue as a method of non-polarizing communication in discussions of contemporary issues. The primary reading will be “The Argument Culture,” by Deborah Tannen, a well-known, linguist, and this will be supplemented with articles on dialogue and social psychology. In addition to these readings, the class will view samplings of recent documentaries, political speeches, print and television punditry. Students will be asked to write several papers designed to help them identify polarizing language and see through its manipulation. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 264. Censorship and Iconoclasm. 3 Units.

How are new symbols created out of the ashes of the old? In this seminar we explore the history and interpretation of the destruction of images. We will consider several diverse world historical case studies: from Byzantium and the Reformation to Islamic art, the Modernist avant gardes, and attacks against monuments during the fall of the Soviet and apartheid ideologies in Russia and South Africa. We will read classic theoretical texts on the question of iconoclasm, and examine the connections between a number of categories of the “image” that often share symbolic destruction as one of their important aspects: propaganda, pornography, avant-garde art, and censorship. We will also explore how destruction is integral to the creation of new symbols, new ideas, and new ideologies. This seminar is reading-and writing-intensive. It is a student-led reading group whose object is to understand the symbolic life of destructive acts and the destructive life of symbolism. Individual students will be responsible for introducing readings and initiating class discussion several times during the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 265. Nature Writing: From the Arctic to the Gulf Coast. 3 Units.
From the Galapagos to the Arctic, from the Laguna Pueblo to the barrier islands of Mississippi, the course explores the territory of “nature writing.” We'll read Aldo Leopold's account of life in a Wisconsin "sand county," a short book nicknamed "the environmentalist's Bible." With Barry Lopez as our guide and interpreter, we’ll imagine visiting the frozen tundra. In a memoir of life with the artist and nature writer Walter Anderson, we'll ponder the limits of passion and sacrifice. Through reading a poet novel by Leslie Marmon Silko, we'll experience an unforgettable vision of a journey toward salvation and harmony. Additional readings include essays, poems, and other short works, plus a survey of commentary from interdisciplinary fields like environmental ethics; ecocriticism; feminism; and biography. We'll visit Cleveland nature centers and museums, and we'll hope to have a few guest speakers. After several short assignments (both written and oral), each student's individually designed research project will recommend a specific means of integrating nature writing into the activities of a local organization or school. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 267. Medieval Love Songs: Poetry, Music, Spirituality. 3 Units.
In the high and late Middle Ages (c1100-c1450), love songs accounted for much of the poetry and music composed at the secular courts and urban centers of Europe. At the same time, spiritual love songs were an important element of medieval Christian theology and worship. What may surprise a modern audience is that the worldly love songs were often intensely spiritual, while the religious ones were often highly sensual and erotic. This seminar investigates the convergence of worldly and spiritual elements in the poetry and music of medieval love songs. Students will learn basic tools for analyzing medieval poetry and music, and through such analysis, coupled with discussion of readings from the scholarly literature, they will explore the provocative interactions between literal and allegorical, sacred and profane, and ascetic and erotic elements in medieval culture. Primary texts will be drawn from Bernard of Clairvaux's commentaries on the Song of Songs, the courtly lyrics and melodies of the troubadours and trouvères, and the lyric poetry of Dante, Petrarch, and Boccaccio. No prior musical training required. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 273. Intellectual Property: Pirates and Privateers. 3 Units.
We take it for granted that our cars and camels are our “property” but what about intangible objects like poems or songs on CDs? In this seminar we will examine the development of this relatively recent form of property through the lens of piracy. We will begin with piracy on the high seas. Through analysis of historical, literary, and cinematic representations of piratical activity in the early modern era we will develop a critical methodology to aid us when we turn our attention to the newer “intellectual” property. Intellectual property is rapidly becoming the linchpin of the burgeoning global “information economy,” and the U.S. is among its staunchest and most powerful enforcers. Yet only a century ago the U.S. was itself a pirate nation. After examining this piratical moment in the history of intellectual property we will turn for comparison to a selection of present-day transgressions—from peer-to-peer file sharing, to Asian software and CD/DVD bootlegging, and South American patent busting. Our aim will be to develop an informed position in the current public debate about the legitimacy and limits of private ownership of ideas in our globalizing information economy. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 275. Colors, Capes, and Characters: American Comics Symbolism. 3 Units.
The history of the comic book is a vital site for critical questions about intersections of art and popular culture in America. In this course we will not simply read “funny books,” but will examine a genre that is as unique as its many colorful protagonists: from Popeye to Superman, Wonder Woman to the X-men, comics have given us larger-than-life characters who are often caricatures of dominant (and sometimes subversive) American ideologies. We will learn not only the history of this unique genre, but will interrogate what it means to truly read comics artistically, politically, culturally, and symbolically. At heart, reading comics in an exercise in interpretation: given visual symbols, what meanings can we take from them? What can comics tell us? And how can we write about them in intelligent, critical ways? In this course we will learn to approach comics through critical thinking strategies; that is, questioning what they are, what they say, and where they come from. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 278. Cognitive Estrangement: Science Fiction and Otherness. 3 Units.
The idea of estrangement or alienation is seen as being central to science fiction; after all this is a genre that explores worlds that are different from ours. However, influential theorists of the genre have made the claim that science fiction offers ways of representing the present while appearing to be focused on the future. According to Darko Suvin's classic definition of science fiction, a tension between cognition and estrangement is built into this genre. The alien worlds of science fiction are perhaps not that strange and distant from our own, even when they seem to be on the surface. In this seminar, we will read a variety of science fiction texts in order to explore the idea of cognitive estrangement that is crucial to these narratives. We will also attempt to situate these narratives in specific historical and cultural contexts. Prereq; Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 279. Navigating Contemporary Art. 3 Units.
Art has always had a shifting, complicated relationship to the general public. In today's world, contemporary art is sometimes regarded as a detached, self-reflexive, and elite mystery reserved for in-the-know connoisseurs and aspiring scene-makers. Yet there are many points of entry for meaningful dialogue about the art, the artists, and the audience that comprise the world of contemporary art. This seminar will explore the critical and cultural contexts that can help foster this conversation. It will include visits to local museums, galleries, and artists' studios, and culminate in a tour of the Progressive Art Collection. The goal of the seminar is to inspire a genuine interest in contemporary art and provide students with the tools required to think, speak, and write more clearly about it. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 280. Passport to Eastern Europe. 3 Units.
Images and texts shape rather than merely reflect the world and its geopolitical structures. Novels, films, and myths make significant contributions to the varied ways that people make sense of continents, nations, and other (often too conveniently used) geopolitical categories such as the East and West. After considering the ways in which the European continent has been imagined over the centuries, we will explore texts and films that have contributed to the invention of East Central Europe and the Balkans and continue to shape our understanding of the eastern parts of Europe. The class will include analyses of current news coverage of this area to unpack representations disseminated by the media and to reflect on the forces that aim to shape our understanding of geopolitical entities. Ultimately, the course hopes to address geopolitical assumptions, evaluate cultural contexts, and help you think critically about the constructed nature of geopolitical categories. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 281. Defining the Animal. 3 Units.
Since the Darwinian revolution of the mid-nineteenth century, the relationship between humans and animals has become an increasingly significant area of inquiry in fields as diverse as literature, the fine arts, anthropology, evolutionary theory, the biological sciences and philosophy. In this course, we will explore the way humans have sought to understand and explain the animal, beginning with several contemporary ethical debates surrounding animal treatment. Such works will lead us to a range of related social and institutional places and practices, such as the zoo, the insane asylum, biometrics, the treatment of women, and the concentration camp. At the same time, we will examine the way artists, writers and filmmakers explore the human/animal divide through painting (Franz Marc, Marc Chagall and Max Ernst), literature (Franz Kafka, D. H. Lawrence and Rainer Marie Rilke), and cinema, through representations of a donkey (Bresson, Au hasard Balthazar), a fly (Cronenberg, The Fly), a Great White shark (Spielberg, Jaws) and a grizzly bear (Herzog, The Grizzly Man). We will end with J.M. Coetzee's The Lives of Animals, which moves seamlessly between moral philosophy and literature, tying together a wide variety of concerns and themes raised throughout the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 284. The Art of Madness. 3 Units.
Taking a historical approach, this course will examine the relationship between the evolution of social and medical attitudes toward mental illness and fictional representations of madness in literature. Beginning with the early modern period, students will compare period sociological and medical narratives on mental illness to fiction works with representations of madness. In so doing, students will consider how the interactive dynamics of art and science contribute to cultural and social thought. Specific areas of inquiry will include: the development of psychology and its effect on societal perceptions of mental illness; cultural developments that occurred in response to changing perceptions of mental illness over the centuries; and the use of representational structures and narrative conventions in understanding and communicating the experience of mental illness. Other interrogations will include the imaginative function of mental illness in literature (e.g., melancholy's role in creativity); the cultural myths in iconography of mental illness in different historical periods; and ethical dilemmas regarding mental illness as reflected in both medical and literary narratives. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285C. Conviction and Fiction. 3 Units.
How do our beliefs shape who we are? How do they shape how we tell others who we are? What can fiction tell us about our beliefs and about ourselves? This seminar will explore how authors reflect their beliefs through their writing--how fiction becomes a form of self expression, particularly of worldview, even when that is not the intent. Students will analyze 20th century fiction and the religious, cultural or psychological texts which influenced that fiction. Students will also be encouraged to think about how their own writing is influenced by belief systems, and to explore how our convictions cannot help but affect our writing and the way we understand our minds, our live, our inner selves. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285D. The World of African Literature. 3 Units.
In this seminar, we will look at how a diverse number of African writers have responded, in both form and content, to three periods in Africa's literary history: the 1960s, or the decolonization period, which produced nationalist literature; the 1970s and 1980s, or the neocolonial period, which produced revolutionary novels; and the 1990s through the present, a period producing literature that contends with globalization. In an attempt to answer the riddle of what makes an African novel African, we shall grapple with fundamental questions concerning the origin of the novel; how it came to Africa; African literary traditions; and the language of the African novel. We will also use African literature to explore universal questions about politics and literature: What is a protest novel? What is the role of the writer and of art in society? The goal of the seminar is to increase your appreciation of African literature and literature in general, and at the same time sharpen your analytical, critical, oral and written skills. You will be expected to lead discussions, engage in peer critiques and, through scholarly essays, engage African literature. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 285F. Embattled Images of War. 3 Units.
Throughout history, from Pompeii to Abu Ghraib, images of war have captivated, inspired, shocked, and repulsed viewing audiences. As historical reflection, propaganda, documentation, a call-to-arms, a plea for peace, and/or personal creative expression, many of these images are fraught with controversy, questions of intentionality, integrity, and multiple agendas. From Polaialuolo to Ken Burns, this course will examine how artists have confronted large-scale human conflict over the centuries in paintings, sculptures, and prints, photographs and film as a way to consider the cultural and historical effect of war images within and outside the original context in which they were produced. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285H. Renaissance Figures. 3 Units.
This course explores the period of European history from 1400 to 1600. Is this period better understood as the Renaissance, the "rebirth" of Antiquity, or the Early Modern Period, the emergence of a world that leads directly to our own? We will look at the period and its famous figures from two different perspectives: Machiavelli in a bio-intro and in his work, The Prince; Luther as history's first best-selling author (the importance of the printing press) and in John Osborne's play; Elizabeth I in a short biography and a recent "Hollywood" bio-pic; Galileo in the historic accounts and in Bertolt Brecht's play; Joan of Arc in a short biography and Bernard Shaw's play; and Hamlet, the play and the character, in text and performance. Do the two different representations present two different people (characterizations) or a unified composite that we understand in greater depth? Do Shaw, Brecht, and Osborne depict three figures from the period to understand better the person, the history, or the 20th Century/Modernity? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285I. Representing the Immigrant. 3 Units.
For many the world over AMERICA is a dream, a powerful myth, whether imagined through TV and movies, metaphors such as The Gold Mountain, or as symbolized by the Statue of Liberty. Following those visions may lead to success or disenchantment or both. Through fiction, memoir, films, and photographs we will explore the experience of immigrants: the tensions, generational conflicts, and difficulties with communication and culture their families undergo. We will examine expressions of those varied and complex experiences, especially how language represents them. We will also look at the significance of language itself--think about what and how words mean, and the difficulties of linguistic and cultural translation. Students will share their reactions to what we read and see in class discussion and also in writing informally, even (if they wish) personally. Formal requirements: two shorter analytical papers and a longer paper using sources and possibly interviews, also to be presented in oral reports. There will be conferences on papers and revision. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285K. African American Performance. 3 Units.
This course follows the historical trajectory of African American performance from slavery to the present. The "texts" of the course are wide-ranging, and include poems, songs, stage plays, stage musicals, comedy acts, films, and music videos. Our objectives are to understand the nature of performance, how performances and their meanings changed over time, how media were adapted to serve historical people's needs, and what performances can convey about performers and audiences. Through the course, students will build an understanding of the history and evolution of American and African American cultural production, while developing tools to analyze the arts. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285L. The American Dream: Real and Imagined. 3 Units.
What is meant when we or our leaders talk about "the American dream"? Is it a political cliché, a myth, or something fundamental to our national ethos? In this seminar students will explore what is meant by "the American dream." We will pose the questions: how it has been defined by artists, writers, political leaders, immigrants and the native-born; how it has changed over time; and to what extent the dream is real and/or imagined? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285M. The Documentary Impulse. 3 Units.
The course is structured around a historical overview of documentary film from 1920 to the present. We begin with Robert Flaherty's Nanook of the North (1922) and focus on a different documentary style each week, from the city symphony films of the late 20s and early 30s (Jean Vigo, On the Subject of Nice, 1930) to avant-garde experiment (Dziga Vertov, The Man with a Movie Camera, 1929), to cinema verite (Rouch and Marin, Confessions of a Summer, 1955) and its effects on the French New Wave (Jean-Luc Godard, Breathless, 1959). Other style will include direct Cinema (Drew and Pennebaker, Primary, 1960), the improvisational style of John Cassavetes, the use of time-lapse photography (Reggio, Koyaanisqatsi, 1982), and, finally the mocumentary (Bob Roberts, 1992). The course will emphasize the importance of ideology, bias, and efforts to capture the "real" through the work of Leni Riefenstahl (Triumph of the Will, 1935), and 1970's examples of Third Cinema in Cuba, Brazil, and Argentina. Each student in The Documentary Impulse will be required to create on five-minute video using a particular documentary mode examined in class, paying attention to ideology, narrative structure, transitions, sounds, and video editing techniques. The final project will use either found stills, or newly shot filmed images, and will include a sound track either from the Freedman Center's archives, or of the student's own creation. Equal time will be devoted to written assignment that analyze the documentary style of particular films. The first half of the course will include a weekly film screening in KSL; after midterms, the location will alternate with the Freedman Center, where students will spend time creating and editing video projects. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 285R. Crime and Punishment in German Literature. 3 Units.
How societies define and punish crime is related to a web of interconnected considerations including the form of government, the legal code, social mores, evolving conceptions of justice, the purpose of punishment, and attitudes toward individual criminals and criminality in general. These social, historical, and ethical norms give rise to questions such as: What constitutes a crime? How is the violation of the law different from or similar to transgressions of morality or ethical norms? What is the purpose of punishment and why is this important? To what extent are we interested in the circumstances that lead to crime? In what ways is punishment an insufficient answer to crime? This course will explore the social and historical questions raised by the perpetrators and victims of crime as well as attending punishment in the literary works of Friedrich Schiller, Heinrich von Kleist, Annette von Droste-Hulshoff, Franz Kafka, Bertolt Brecht, Primo Levi, Hannah Arendt, and Bernhard Schlink. Focusing on short stories, detective fiction, novels, drama, and personal essay, we will pay particular attention to the way that criminal transgression is defined, the role of society and history in producing criminals, when and why punishment is justified or necessary, and the degree to which these resolutions are "just." Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285T. Art, Music and Culture. 3 Units.
This course uses the intersections of art and music as a way to understand how the arts reflect, interact with, and influence the cultures in which they develop. After an introduction to research and writing in the arts (week 1), the course continues with a survey of certain historical periods and masterpieces of European and American art and music from 1700 to the present (weeks 2-6). It then takes up a few important themes in the interaction of music and the visual: 1) the concert hall as the intersection of architecture and acoustics (week 7); 2) the art museum and its music (week 8); 3) music and film (week 9); 4) the Broadway musical (week 10), and 5) rock music and its artifacts (week 11). A full week (12) of instruction on writing and oral presentation then prepares students for a seminar paper and seminar report, the creation and refining of which constitutes the final phase (weeks 12-15) of the course. Requirements and activities include, in addition to the seminar paper and report, a series of activities including three optional and three required events centered on the Cleveland Museum of Art and its concerts, the Cleveland Orchestra at Severance Hall, and the Rock and Roll Hall of Fame Museum. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285U. Popular Music and Film. 3 Units.
This course takes an interdisciplinary approach to studying music in American film. Students will learn to analyze film and music with greater sophistication, to contextualize them in time and place, and to interpret their meanings. The films predominantly feature jazz and popular music. We will discuss several aspects of a film: filmmaking techniques, visual composition, the film's available interpretations, audience reception, and so on. We will also discuss musical composition and performance, artists' self-representation, the link between music and commerce, and so on. Course sources include films and critical literature. The primary focus of the class will be on the ways music and film intersect as entertainment and art. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285V. Castaways and Cannibals: Stories of Empire. 3 Units.
Through a study of texts that exploit "new world" images like the castaway, the cannibal, the wild man, and the exotic woman, this course explores the ideologies that propelled nineteenth-century imperialism, particularly regarding the British in Australia and South Africa. The course will consider how British settlers made "homes" in hostile and unfamiliar climates, how they addressed the problem of unfriendly and unequal contact with indigenous peoples, and how contemporary novelists reevaluate the historical past. The course will work under the premise that contemporary geopolitical realities have been shaped by the imaginative work of British colonialists who, under the principle of terra nullius or "no man's land," claimed the land and the resources of these southern territories and dismissed the very existence of the indigenous peoples that populated them. The scope of the course will be broadly historical, exploring works that participated in British imperialism, as well as those that take a modern perspective. Course materials will be drawn from a variety of genres, including fiction, poetry, film, ethnography, natural history, history, and criticism. Ultimately, students will consider how narratives participate in the shaping of reality and of real-world relations of power. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285X. Living in the Digital Age. 3 Units.
Digital technologies have changed the world we live in. This brave new world is populated by new-media, video, games, and social networks. To survive this world we need a vocabulary of criticism and authorship, a "New Media Literacy" that we can use to effectively and efficiently embrace our roles as both artist and critic. This course explores a wide variety of New Media themes in both contemporary and historical contexts. Students in the course will analyze their ever-evolving relationship to New Media as both viewers and creators. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285Y. Musical Acts: The Performer in Western Culture. 3 Units.
Much of music history emphasizes the text/composition and its author/composer. Yet music is unique among the arts in that a musician must bring the work to life; arguably, a piece of music can only be said to exist in real time, in performance. This course will examine musical performance as it has evolved over the centuries and consider how thinking about performance and performers continues to change. Although an understanding of the rudiments of music will be helpful, students will not need advanced training in music for this course to be of interest. Readings will include historical accounts and reviews as well as articles about performance and musical aesthetics. Further sources will be recorded audio, video and live performances, as well as interactions with performers (and teachers of performers) from the Cleveland Institute of Music and the university's departments of music, theater and dance. The interests and needs of the students will help set the tempo and line of our class discussions. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 285Z. The Ubiquitous Frankenstein. 3 Units.
This seminar will explore the birth, evolution, devolution, and undead nature of the Frankenstein myth in popular culture. Using Mary Shelley's novel, her source texts, 19th- and 20th-century critical accounts, and 19th- and 20th-century popular cultural manifestations, the seminar participants will discover how "Frankenstein" found its way into the Western mind and continues to provoke responses both in those familiar and in those completely unfamiliar with the novel. The course will touch on issues of literary influence, science/technology, religion, ethics, psychology, education, literary merit, popular culture relevance, and adaptation as an art form. Central questions for the seminar include: (1) Does the Frankenstein myth as we perceive it today have anything to do with Mary Shelley's original novel? (2) What were the moral and ethical implications of Shelley's novel for her time and for the generations afterward? (3) Is an "accurate" film adaptation of a literary work possible or needed? (4) Is being ubiquitous a blessing or a blight for a literary work? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 285C. How Photos Shape What We See. 3 Units.
Because of both its special ability to convince and its ubiquity, photography has had a major impact on the way we view the world, and particularly in our view of "the other." Just like other major forms of discourse, photography should be approached with a thoughtful and critical attitude. Some of the techniques of critical looking are different from the techniques of critical reading, but the fundamental tasks are very similar. The aim of this seminar is to help students develop an awareness of why and how photographs are such effective media of communication, and to help them develop an ability to read photographs critically. This is, of course, set within a general context of developing critical reading and writing skills. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286J. Creativity and Constraint. 3 Units.
The purpose of this course is to explore creative problem-solving as it relates to different disciplines and types of problems and to encourage a passion for finding best solutions, not merely obvious ones. We will use and evaluate case studies of real-world projects and complex decisions, readings about creativity, firsthand accounts from creative professionals, and in-class exercises to hone strategic thinking skills. The seminar is specifically concerned with how constraints—ranging from budgets and schedules to the laws of physics—can encourage, rather than inhibit, creative solutions. But we will also consider general questions about the process and psychology of problem-solving. Areas of investigation will include steps in establishing problem scope and defining and recognizing successful solutions; the dynamics of group versus individual problem-solving; and strategies for communicating complex ideas to teammates and leading the creative process. Students will be expected to participate actively in shaping class discussions and activities. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286S. Shakesploitation of an Icon: Four Hundred Years of Shakespeare Marketing. 3 Units.
Following the interregnum in England, William Shakespeare began a long, sustained trajectory as a cultural icon, first in England, but eventually among all English-speaking cultures. In the process, Shakespeare's works have been reinterpreted, adapted, re-contexted, commoditized, and re-purposed for the sake of art, educational relevance, and entertainment. In the process, Shakespeare has often become the tool of unabashed commercialism, a practice which has come to be known as "Shakesploitation." But why is Shakespeare's work so frequently parloined? Why are out of context references to him so ubiquitous? Why do people tend to equate the name of Shakespeare with qualities of genius? Why have his works been continually adapted (often shamelessly) not only for the stage, but into other genres, including operas, paintings, novels and films? How do we account for the proliferation of Shakespeare-based self-help books such as Shakespeare on Leadership? Why is the infant stimulation video Baby Shakespeare a best-seller? This course will explore these questions not only by reading a selection of Shakespeare's most enduring works, but also by examining criticism, adaptations, and marketing strategies that have been applied to Shakespeare's image and works over the last four centuries. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 286U. Puzzled. 3 Units.
"Puzzled" will look at the practice of puzzle making and puzzle-solving and explore the meaning of puzzles for different cultures throughout history. We will read works from the disciplines of math, history, anthropology, philosophy, and literature. We will explore why certain types of puzzles became popular and how puzzles have transferred from one culture to another. We will examine the role of code writing and code-breaking in the military and in the world of business. We will read examples of fiction and watch films that adopt the form of the puzzle as a narrative device. We will think about the function of puzzles as instruments to exercise the faculties of reason and logic and as a means of leisure or pleasant distraction. Students will be asked to both solve and create puzzles over the course of the semester. They will write analytical essays on topics related to the practice and history of puzzle making and puzzle solving, and they will pursue a research topic that revolves around an issue or problem that has "puzzled" them. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 286V. Food Craze: (No) Reservations. 3 Units.
The great number of food-related TV-shows indicate an unprecedented interest in questions about and fascination with food; in fact, these TV shows allure viewers with the appeal of a myth: eating involves discovery (Anthony Bourdain’s No Reservations, On the Road Again with Mario Batali, Planet Food), thrill (Bizarre Foods), or “supernatural” competition (Man vs. Food, Top Chef). These television shows and food-related writings that accompany them in earnest “worship” food and often promote ideas of multiculturalism by which exciting and novel locales, foods, and meal preparatory techniques are discovered. The objective of this course is to “indulge” in these shows and food writings and scrutinize them: What explains such fascination with the viewing of and reading about food? In what ways can food-exploration trips expand on ideas and critiques of multiculturalism and globalization? What explains the centrality and “mythical” nature of food in the twenty-first century? To begin these conversations, we will touch on a plethora of food writing works including works motivated by environmental and health concerns such as Michael Pollan’s essays. Then we look at the world of cookbooks (including the cookbooks of Julia Child and Rachel Ray), food blogs and TV-shows, and essays by Bill Buford and Calvin Trillin among many others. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287F. Telling True Stories: Literary Journalism in America. 3 Units.
Literary journalism is a genre of nonfiction writing that employs all of the reportorial and truth-telling covenants of traditional journalism, while employing rhetorical and storytelling techniques more commonly associated with fiction. In short, it is journalism as literature. This course will introduce you to major themes in American literary journalism, the genre’s representative writers, and the enduring questions of the field. For example, we will ask how these stories work as narratives, as scientific explanations, as political tools, and as entertainment. How do these categories overlap? How do they motivate us to act? Where are these stories published and who is the readership? How do historical and cultural contexts influence and appear in the works? What is the relationship between (literary) journalism and democracy? What is the relationship between form and content? Is there a difference between physical truth and emotional truth? In the process of answering these questions, this course will emphasize close reading, interdisciplinary thinking, and the writing process. Through reading assignments, class discussions and presentations, and paper writing we will have the opportunity to examine, analyze, and develop our own interpretations about these multifaceted writings and the diverse cultural experiences and meanings they chronicle. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287G. Shadowplay/East and West. 3 Units.
Shadows flicker across the screen, drawing us back to the precursors of the cinema and forward to digital effects. To borrow Gorki’s phrase, the cinema is truly a "train of shadows." This course focuses on interactions between shadow theatre, dance, visual arts, the cinema, and traditional forms of play. While the main focus is on traditional artistic forms, we also explore modern variants, including the use of shadows in contemporary photography. We will look at shadows in different (yet overlapping) contexts, and compare the effects of still and moving shadows. All of these contexts involve moments of narrative and silence. Through a series of short papers which will be integrated into a longer paper, each student will explore his/her approach to a central question: What does it mean to play with shadows? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287H. Cityscapes in 20th-Century and Contemporary Visual Culture. 3 Units.
This seminar will explore the dynamic meanings of modern and contemporary urban environments through visual representation. What does a city look like? As great complex entities of constant change, we will see that cities have been portrayed in a myriad of ways. What social ideals have engaged the vision of architects, urban planners, and landscape designers in the making of the metropolis since the late 19th century? How have artists interpreted major cities as sites of modernity, technological advancement, civilization and cultural vanguard; or, in contrast as sites of failed experiment? How can forms of representation help us envision the entirety of urban spaces of diverse geographies, including typically un-aesthetic forms of fringe areas, the abandoned zones of prior use, and infrastructures? What recent developments in convergent media might be employed as catalyst for achieving an enhanced understanding of the interrelationship of urban structures, spaces, and human need? Our chief objective is to begin to comprehend the enormity of these questions. Thus, we will view and discuss selected examples of architecture, design, art, photography, film and video, in essence sampling the roles they have played in the process of conceiving and imagining the design and significance of cities. Our examination of visual material will be organized over the course of the semester according to three major overlapping themes: the utopian and visionary city, the visual culture of cities, and the emerging city. The methods by which we will seek to interpret the visual component of our studies in the three categories will be adapted from the perspectives of visual culture, urban studies, urban design and landscape urbanism, and architectural history. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 287M. Literature of 9/11. 3 Units.
Nearly 10 years after the September 11, 2001 terrorist attacks, politicians, economists, artists, and educators continue to use the umbrella term "post-9/11" to describe our general cultural sensibility. Yet, what does it mean, specifically, to live in a "post-9/11" America? How have the cataclysmic events of that day altered our political and intellectual points of view? In this course, we will explore these questions by considering how novelists, poets, and other writers have and continue to represent September 11th. We will analyze techniques used to narrate the story of 9/11, investigating how American cultural values--or critiques of such values--influence the aesthetic choices that writers make. Our course will begin chronologically at "Ground Zero," as we examine representations of the immediate urban trauma while exploring the tensions between memorial and commemoration, spectacle and commercial pursuits. We will then focus on works by both American and international authors addressing the days and months following the attacks. We will examine how America is depicted with respect to its foreign policy and domestic politics, paying particular attention to the space of the "home." In addition to novels, short fiction, and poetry, we will read cultural criticism and some philosophy. Students will be given additional opportunities to explore film and other visual or new media representations of 9/11.
Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287N. Fantasy and Philosophy. 3 Units.
Fantasy novels and films can be philosophical catalysts. One can read philosophical arguments and debate ethical and epistemological issues. Or, one can become immersed in a work of art and imagination that presents a fiction expressing the same profound human issues. Such a work dramatizes philosophical debates and conflicts, and hurls readers and viewers into poignant, gripping, suspenseful, horrific, or beautiful stories that convey those very same struggles with truth and morality. Indeed, while many philosophical works are inaccessible to everyone but those with a specialized vocabulary (or prescient ability to discern tortured language), literary and cinematic works actually stimulate a different part of the brain. The ideas are conveyed and processed differently, and this is why works of fiction can have such poignant and lasting effects on the emotions, provoke us to meditate on the grave and constant in human sufferings, and revisit those works as we relive our own struggles with truth, morality, love, identity, conflict, violence, and death.
In this course students will read short works of fiction and philosophy, and watch films that delve into philosophical issues. These include selections from The Seventh Seal, Dr. Strangelove, Lord of the Rings, Harry Potter and the Half-Blood Prince, Star Trek, Futurama, House, M.D., True Blood, Dexter, Woman in the Dunes, The Denial of Death, The Dharma of Dragons and Daemons, Death's Dream Kingdom, Thus Spake Zarathustra, Philosophy and the Mirror of Nature, Serial Killers and Philosophy, and The Bhagavad Gita. Students who have taken USSO 286W for credit may not take this course.
Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287O. What is Art for?. 3 Units.
Together we will study a crucial and distinctive aspect of the human mind: the uniquely human ability to engage in the production and reception of art. This course will explore human responses to artistic works in a wide range of media: literature, music, painting, and performance. Some of the larger questions we will be addressing in this course are the following: What is art for? Is art simply a kind of cognitive play that refines behavioural options over time? How is art related to (or dependent on) simulation, empathy and aspects of social cognition? What precisely can science contribute to explaining the aesthetic response and the artistic impulse? What, given the inherent constraints on human creativity imposed by human cognitive abilities, are the unique artistic conventions that contribute to experiencing a work of art as a work of art? What are the conceptual, intentional, emotional dimensions of art, manifested as they are in artistic creativity, talent and appreciation? Like most big questions, these are addressed in different ways by the disciplines of psychology, neuroscience, evolutionary biology, philosophy, and aesthetics. By exploring some collisions among these multiple perspectives we will learn more than through any single perspective.
Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 287T. King Arthur's Days and Knights. 3 Units.
Few legends have remained popular and vital as long as the story of King Arthur has. Beginning with brief references in sixth-century histories, Arthur has risen again and again in medieval adventure stories, Victorian lyrics, and contemporary cinema. Over thirty-five films, in fact, have depicted the adventures of the Round Table. How can we explain this phenomenon? To investigate this question, this seminar will trace the development of the legend from its oldest remaining written manifestations to the present day. A chronological approach will allow us to see how Arthur's story accumulated new elements over time, including the famous love affair between Lancelot and Guinevere and the equally famous quest for the Holy Grail--neither of which appeared in the earliest versions of the story. We will discuss topics such as what Arthur has represented at different periods in time and how his story changes when it is retold in different genres and media. We will also consider how writers have adapted Round Table stories to suit political and social agendas. Finally, to broaden our perspective we will spend a unit exploring legends from a variety of cultures and comparing their presentation of heroism. Texts will include Sir Gawain and the Green Knight, pieces of Sir Thomas Malory's The Death of Arthur, the indispensable Monty Python and the Holy Grail, and portions of its new incarnation, Spamalot.
Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 287X. Paris in the Arts. 3 Units.
Since the late eighteenth century, Paris has been a favorite subject for visual artists and writers alike, as well as the birthplace of several seminal artistic movements, such as Impressionism, Cubism, and the New Wave. This course will use representations of Paris in the arts as lenses through which the identity and recent history of this major city will come into focus. Further, stories, photographs, and films that stage the city of Paris and its people will also allow us to explore the broader relationship between art, the city, and the plight of modern man. The course will include a wide range of artworks, from mid-nineteenth century photographs documenting the destruction of Medieval Paris and the advent of a rational capital, to stories chronicling the fate of hopeful newcomers, and films where the city is treated either as intimate landscape or impersonal grid. The course will be both discussion based and writing intensive: students will be encouraged to envision class participation and writing assignments as means to analyze collaboratively, as well as individually, the material at hand. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288I. Diversions: Experimental Stories and New Media. 3 Units.
In this course, students will study works in which the authors and artists have experimented with traditional linear forms and created stories that are, for instance, labyrinthine, framed, collaged, geometrical, digressive, and even networked. While both print-based and digital texts offer spaces for diverse and deeply engaging written or visual performances, they also require further critical inquiry into the ways in which they create, reflect, or resist social and cultural values. Our focus in this course will be exploring how stories (and other texts) - in print, on screen, on canvas, in digital formats - that don't follow or that play with conventional rules of order encourage us to participate in making sense of our contemporary world. The goals of the course include: exploring the relationship between form and content in written and visual productions, developing a critical perspective from which to enjoy, assess, and respond creatively to traditional print and multimedia presentations, and making excellent use of research resources at CWRU and cultural resources at University Circle. In addition, students will work to develop their writing and presentation skills and to innovate novel models of research writing. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288J. Cultural Representations of Violence. 3 Units.
The twentieth century was arguably the most violent in human history. That legacy has carried into our own time: from 9/11 to school shootings to the recent conflict in Libya, violence surrounds us. What kind of violence? How is it that we all recognize it when we see it? How do we represent it to ourselves? Most importantly, how do we make sense of it? Can we make sense of it? This class will explore these questions by studying the uneasy role violence plays in literature, film, performance art, and other cultural productions. As we do so, we will consider two central and potentially conflicting ideas. On the one hand, violence tends to resist our abilities to represent it; any depiction seems somehow inadequate to the real thing. At the same time, representations of violence surround us constantly, and for any number of political, cultural, and social reasons. Thus, violence in modern and contemporary culture is paradoxical, both permeating and resisting our imaginations. Through class discussions, written responses, presentations, and independent research projects, we will explore these and other ideas, considering how art attempts to comprehend violence and how artistic representations of violence relate to (implicate?) their audience. Although our focus will be largely on art, and primarily literature, our approach will be necessarily interdisciplinary. Be prepared to weigh in on topics as diverse as politics, aesthetics, philosophy, gender and sexuality, war, trauma, and colonialism. Undoubtedly, violence can be a painful subject, but the goal of our seminar is to pursue a rigorous intellectual and imaginative inquiry into one of the most pressing topics of our time. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288K. Hiroshima: History, Memory, Representation. 3 Units.
On August 6, 1945, when the U.S. first used nuclear weapons against Japan, the name "Hiroshima" ceased to designate merely a place, and came to signify an event, an anxiety, and a prognosis for the future. This course seeks to interrogate the various and overlapping discourses which constitute the symbolic nexus around Hiroshima--and, to a lesser extent, Nagasaki. We will be asking how the event of the bombing has been understood according to different disciplinary perspectives (history, psychology, literature, and film) and how it is represented from both American and Japanese perspectives. Accordingly, our investigation will be an intensely comparative attempt to answer the question: if there is something like what Robert Lifton calls "the atomic bomb experience," then how is that experience captured in different forms of cultural expression? Or, perhaps more importantly, how do these cultural objects speak to an ongoing negotiation with historical trauma in the present? What differences and similarities do we find among different, cross-cultural encounters with the atomic bomb? Our investigation into the politics of representation around this event will lead us ultimately to ask whether it is even possible to capture the novelty and horror of an event that in many ways exceeds language altogether. After orienting ourselves to the history of the bombings and the psychological and philosophical issues at stake in them, we will turn to some of its canonical representations in John Hersey's Hiroshima and Masuji Ibuse's Black Rain. From there, we will look at Yoshiiro Tatsumi's graphic novel Goodbye. And we will conclude with the cinematic representations of Alain Resnais's Hiroshima mon amour and Ishiro Honda's Godzilla. As a University Seminar, the course will also include substantial instruction in research and writing, leading to students' production of a medium-length research paper which they will work on throughout the semester. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 288R. Cultural and Ethical Issues in American-Chinese Business Relations. 3 Units.
The American and Chinese economies are the two biggest economies in the world. The dynamic American economy is unique in its combination of large multinational enterprises and small entrepreneurial firms. The American economy is characterized by a vast private sector, the rule of law, and the largest private capital markets in the world. The Chinese economy is 30 years into a period of reform from communist industrial organization to "socialism with Chinese characteristics", which includes a significant role for the private sector. The Chinese economy is still an experiment. The established American business system exists within a democratic political system, where corporate lobbying has a significant influence on the creation of laws and government policy. The Chinese economy is still under the tight control of the Chinese Communist Party, a one-party dictatorship. When Americans go to China to do business, they find the cultural, social, political, and moral systems vastly different than what they are familiar with. Transparency International Ranks China 27 out of 28 of the most corrupt large economies in the world. In China, bribery of government officials and kickbacks to sales and purchasing managers is common. Key questions we will investigate are: 1. In what ways are the two business systems similar and different? 2. What is the nature of Chinese social relations? How do they differ from American social relations? What effect do they have on business? 3. What is the nature of the Chinese political system? What impact does it have on business in China? 4. How do American business people negotiate the Chinese business system? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288W. A History of Noise: Music and Politics from Beethoven to Jimi Hendrix. 3 Units.
This writing-intensive course examines the roles that noise has played in political discourses throughout the nineteenth and twentieth centuries. Its charged bookends - Beethoven and Jimi Hendrix - invite students to challenge supposed differences between "Art" and popular music and examine relationships between music and society. "Who does 'Art' serve?" "Is it possible to distinguish between 'Art' and noise?" and "Is sound capable of influence at all?" are among the chief questions this course explores. The curriculum's historical breadth allows students to consider these larger questions through a variety of case studies, including (among others) the bombast and nationalism of Beethoven's ninth symphony; the Marxist-inspired "emancipation" of sound, as presented by Arnold Schoenberg; the gender-bending metal of Eddie Van Halen; and the protest-by-distortion of Hendrix's national anthem at Woodstock. By the end of this course, students will gain more awareness of the ways in which the music surrounding them seeks to shape society. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 288V. Seclusion, Gender and the Exotic: Imagining the Harem. 3 Units.
When the term "harem" is invoked, the first image that comes to mind is of scantily clad women living in sequestered opulence in some exotic, yet vaguely "Eastern" place. This image has been reproduced and perpetuated through art, literature and music to the degree that even today, familiar themes of seduction, passivity and mystery related to the harem can be found throughout popular culture. Historically, gender segregation reaches into antiquity and existed in a variety of forms, cross-culturally. The term "harem" was not used regularly until the 13th century, and then only referred to the specific form of gender segregation used by the Ottoman court. Application of the word "harem" to all women's quarters in other cultures was the result of European contact with the Ottoman Empire, despite the fact that other cultures often had their own, distinct, terminology for women's spaces. In this seminar, we will explore the history and practice of gender segregation as a means to examine how the idea of the harem was constructed in the Eastern and Western imagination. Under what circumstances did women live separately? How were gendered spaces created, justified and maintained? Where did our image of the harem come from? Using primary and secondary sources, we will examine a selection of histories and representations of the harem in literature, slave and travel narratives, and religion. As the Western idea of the harem is part of what Edward Said theorized as "Orientalism", we will explore Said's theory as well as subsequent theories related to gender and the exotic. In addition, we will look at images of women's quarters from antiquity to the present and listen to representations of the exotic in music. Our goal is not only to study the historical fact of the harem, but also to engage issues related to gender, the exotic and representation from different disciplinary and cultural points of view. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
USSY 288X. 1939. 3 Units.
This course will examine the year 1939. At the time, people in the United States and Great Britain were invested in creating an active and lush fantasy world. There were debutant balls, the World's Fair, college sports, "The Big Sleep," "Gone With the Wind," and "The Wizard of Oz." Meanwhile Hitler was also conceiving of his dream world. The history of 1939 is the history of these competing fantasies and their collision. In addition to bettering their writing and research skills, students in this class will learn to understand the language and imagery of films, speeches, propaganda, social mores, diplomacy, and other various modes of communication that were used to construct and reinforce the sundry of imagined realities of 1939. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 289A. Do We Have Free Will?. 3 Units.
Concepts such as freedom, choice, moral responsibility, and autonomy are commonly invoked to describe our sense, as human beings, that our actions and thoughts are really our own. This seems like experiential commonsense—when I choose to read a novel instead of a philosophy text it feels like the decision to do so was made by me, that there was no coercion, or other seen or unseen force, that intervened to make me choose as I did. We extend this logic to the judgment of moral and legal responsibility. If you engage in good behavior, you get the praise; if you do bad things, you are blameworthy. Despite our self-perception that we freely make decisions and choose our actions, we sometimes invoke the notion that certain events are the result of some prior cause or circumstance that determines what occurs in the present. In this instance, we do not appear to be fully free in our choices because we cannot undo the causes that dictate what is taking place here and now. To the extent that we experience current actions as having a cause in the past, we are flirting with the idea that our behavior is not wholly free, but determined or conditioned by what has come before. Determinism, necessity, fate, destiny, predestination: these are terms typically used to describe the sense that our actions and thoughts are the result of unknown forces or circumstances beyond our control. This course uses classic and contemporary texts, taken from multiple cultural traditions, to explore the problem of free will and related issues of body/mind dualism and personal identity. Although the term "free will" does not appear in all cultural contexts, found everywhere are questions of whether we are free to act and think as we wish or whether our thoughts and actions are in some way determined. We also read science fiction short stories as thought experiments in order to help us understand the ramifications of various positions on free will and related problems. This course is discussion-based and writing-intensive. Classes focus on analysis and interpretation of texts and ideas. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 289G. The American West on Film. 3 Units.
Few geographical areas in the United States contain as many tall tales and mythological figures as the American frontier. From an extreme point of view, the West is the only American myth because no other nation can claim the cowboy, the Native American, or the immigrant worker on the transcontinental railroad. And yet, each of these figures remains spectacularly diverse. We celebrate their variety and lionize their individuality in film, popular novels, and cultural criticism. From the visions of the New World to the conquest of the frontier, the color of the American West proliferates and transforms, defining our culture. In this course, we will investigate how critics have understood our fascination with the Western frontier. The class will broadly explore version of the frontier in novels, films, and historical accounts. Reading about the history of the actual west, the course will then examine how the films of the twentieth century alter history in order to express the fantasies and anxieties of their own time. By studying both history and film, we will be able to interrogate manifest destiny and the myth of American exceptionalism. What makes the West such an integral part of our understanding of America? How has its actual history become myth? What does the American fascination with the cowboy, the Native American, or the outlaw imply about our nation? Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.

USSY 289J. Beauty Myths Today. 3 Units.
Published just over 20 years ago, Naomi Wolf's influential study "The Beauty Myth" significantly influenced popular thinking about body image. Analyzing both cultural trends and empirical data, Wolf argued that as women made unprecedented advances in public life in the latter half of the 20th century, they were at the same time held to increasingly unrealistic standards of physical beauty. Wolf's study not only contributed to extant analyses of sexism in the media, but also introduced to mainstream readers the politics of the representation of women's bodies in popular culture. This course will examine to what extent Wolf's original claim hold true today. In other words, what physical standards must one meet in order to be considered professionally and personally successful? In exploring this question, we will look at the origins and current workings of the American beauty industry, considering the changing representation of the ideal body throughout the 20th century. We'll read texts by historians, philosophers, novelists, poets, cultural critics, and journalists who examine the politics of beauty. To both (re-)define and trace the continuing effects of beauty myths in the 21st century, we'll consider the rhetoric of ideal womanhood as it shows up in popular texts such as websites promoting anorexia, TV shows about plastic surgery, diet books, magazines, and guides for mothers. Students will have opportunities to define the beauty myth more broadly, exploring its effects on men and its mediating presence in other cultural sites. Prereq: Passing letter grade in a first year seminar in FSCC, FSNA, FSSO, or FSCS. Prereq or Coreq: FSTS 100. Requisites not met permission required if previous course completion in this subject group.
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