

Humanities, Arts, and Social Sciences

Program Description

As the 21st century unfolds, individuals, communities, and nations face major challenges in energy, natural resources, and the environment. While these challenges demand practical ingenuity from engineers and applied scientists, solutions must also take into account social, political, economic, cultural, ethical, and global contexts. CSM students, as citizens and future professionals, confront a rapidly changing society that demands core technical skills complemented by flexible intelligence, original thought, and cultural sensitivity.

Starting in January 2017 the Liberal Arts and International Studies (LAIS) Division became the Humanities, Arts, and Social Sciences (HASS) Division.

Courses in Humanities, Arts, and Social Sciences Division (HASS) expand students' professional and personal capacities by providing opportunities to explore the humanities, social sciences, and fine arts. Our curricula encourage the development of critical thinking skills that will help students make more informed choices as national and world citizens - promoting more complex understandings of justice, equality, culture, history, development, and sustainability. Students, for example, study ethical reasoning, compare and contrast different economies and cultures, develop arguments from data, and interrogate globalization. HASS courses also foster creativity by offering opportunities for self-discovery. Students conduct literary analyses, improve communication skills, play music, learn media theory, and write poetry. These experiences foster intellectual agility, personal maturity, and respect for the complexity of our world.

Undergraduate Humanities and Social Science

Educational Objectives

In addition to contributing to the educational objectives described in the CSM Graduate Profile and the ABET Accreditation Criteria, the coursework in the Division of Humanities, Arts, and Social Sciences is designed to help CSM develop in students the ability to engage in life-long learning and recognize the value of doing so by acquiring the broad education necessary to

1. Understand the impact of engineering solutions in contemporary, global, international, societal, political, and ethical contexts;
2. Understand the role of Humanities and Social Sciences in identifying, formulating, and solving engineering problems;
3. Prepare to live and work in a complex world;
4. Understand the meaning and implications of "stewardship of the Earth"; and
5. Communicate effectively in writing and orally.

Music (LIMU)

Courses in Music do not count toward the Humanities & Social Sciences General Education restricted elective requirement, but may be taken for **Free Elective credit only. A maximum of 3.0 semester hours of concert band, chorus, physical education, athletics or other activity**

credit combined may be used toward free elective credit in a degree granting program.

Foreign Language (LIFL)

Typically, several foreign languages are taught through the HASS Division. In order to gain basic proficiency from their foreign language study, students are encouraged to enroll for at least two semesters in whatever language(s) they elect to take. **No student is permitted to take a foreign language that is either his/her native language or second language.**

Undergraduate Minors

At the undergraduate level, HASS offers minors in Culture, Creativity, and Communications, Environment and Sustainability Studies, Global Politics and Society, Music, Audio Engineering, and Recording Arts and an Individualized Undergraduate minor. See the minor tab for details. HASS also is the home for the minor in the McBride Honors Program in Public Affairs.

Graduate Degree and Programs

At the graduate level, HASS offers a 36-hour degree. It also offers Graduate Certificates and Graduate Minors in Natural Resources and Energy Policy (NREP). See the Graduate catalog for details.

Hennebach Program in the Humanities

The Hennebach Program in the Humanities, supported by a major endowment from Ralph Hennebach (CSM Class of 1941), sponsors a regular series of Visiting Professors and the general enhancement of the Humanities on campus. Recent visiting professors have included scholars in Classics, Creative Writing, Environmental Studies, Ethics, History, Literature, Philosophy, and Social Theory as well as the interdisciplinary fields of Environmental Policy, and Science, Technology, and Society Studies. The Program is dedicated to enriching the lives of both students and faculty through teaching and research, with visiting scholars offering courses, giving lectures, conducting workshops, and collaborating on projects. In addition, the Hennebach Program is exploring opportunities for meeting the needs of Undergraduate students who would especially benefit from more focused study in the Humanities that would appropriately complement technical degree curricula.

Writing Center

The Writing Center @ Mines is directed by professors in HASS, and will help you write clearer and more precise reports, research essays, scientific papers, resumes, cover letters, grant proposals, etc. Our tutors are faculty and/or professional writers trained to help you develop your own writing so that you sound as professional and confident as possible. We also have student tutors who are highly trained to help you with your core communication and writing courses! Our tutors will help you with your writing and public speaking no matter where you are in the process: they can brainstorm with you, give you ideas for topics, help you begin or end your research, and even help with graduate theses and professional work. Tutors will show you how to organize your thoughts, focus your research, clear up your grammar and syntax errors, and teach you how to create and communicate your thesis expertly.

Appointments are highly recommended; they can be made at: <http://mines.mywconline.com>. Once you create an account with your mines email, you can log in, see the schedule, and make appointments through

the online scheduler. Come in and see us in Alderson Hall 133. You will be glad you did.

Curriculum

Key to courses offered by the HASS Division:

Course Code	Course Title
HASS	Humanities, Arts, and Social Sciences
LIFL	Foreign Language
LIMU	Music

CSM students in all majors must take 19 credit hours in Humanities and Social Sciences, ranging from freshman through senior levels of coursework. These courses are housed in the Division of Humanities, Arts, and Social Sciences and in the Division of Economics and Business.

Required Core Courses

- All Undergraduate students are required to take the following two core courses from the Division of Humanities, Arts, and, Social Sciences:
 - HASS100 Nature and Human Values 4 semester hours
 - HASS200 Global Studies 3 semester hours
- All Undergraduate students are also required to take EBGN201 Principles of Economics (3 semester hours) from the Division of Economics and Business.

NOTE: Students in the McBride Honors Program must take HASS100, Nature and Human Values and EBGN201. Please see the McBride Honors Program web site for further information.

Humanities and Social Sciences Requirement

Beyond the core, all Undergraduate students must take an additional three courses (9 semester hours) from the list below. The following restrictions apply to these three courses:

- Two of the three courses are midlevel courses, i.e., 200 or 300 level classes. The only exception to this rule are Foreign Language courses (see below). A 400-level course may apply to this midlevel requirement if the student has successfully completed more than one 400-level course.
- At least one of the three courses must be a 400-level course. In any given semester, either LAIS or EB may offer 400-level Special Topics courses that will be numbered as either LAIS498 or EBGN498. Even though no Special Topics courses appear in the list below, these courses may be used to fulfill the H&SS General Education restricted electives requirement as follows:
 - All courses numbered LAIS498 will satisfy the requirement.
 - Some EBGN498 courses as determined on a case-by-case basis will satisfy the requirement. Consult EBGN in any given semester for EBGN498 courses that satisfy the requirement.

At least one of the three courses must be taken from the Division of Humanities, Arts, and Social Sciences.

A maximum of two Foreign Language courses (LIFL) may be applied toward satisfying the H&SS midlevel requirement. LIFL 498 or 499 Foreign Language courses may not be used to satisfy the 400-level course requirement.

Music (LIMU) courses may not be used to meet the H&SS requirement. They may be used for free elective credit only. A maximum of 3 semester hours of concert band chorus, physical activity, varsity athletics, or other activity credit combined may be used toward free elective credit in a degree granting program.

Single majors in Economics may not use Economics courses to meet the H&SS requirement. Economics majors must meet this requirement with courses from the Division of Humanities, Arts, and Social Sciences, as per the above restrictions and requirements. Students other than single majors in Economics may take up to 6 semester hours (2 courses) of approved EBGN courses, listed below, to satisfy the H&SS requirement.

Except for foreign languages, no AP or IB credit can be used to meet the 9 hours of H&SS requirements. AP/IB credits will be applied as free electives.

List of HASS and EB Courses Satisfying the H&SS Requirement

EBGN301	INTERMEDIATE MICROECONOMICS	3.0
EBGN302	INTERMEDIATE MACROECONOMICS	3.0
EBGN310	ENVIRONMENTAL AND RESOURCE ECONOMICS	3.0
EBGN320	ECONOMICS AND TECHNOLOGY	3.0
EBGN330	ENERGY ECONOMICS	3.0
EBGN340	ENERGY AND ENVIRONMENTAL POLICY	3.0
EBGN342	ECONOMIC DEVELOPMENT	3.0
EBGN401	ADVANCED TOPICS IN ECONOMICS	3.0
EBGN430	ADVANCED ENERGY ECONOMICS	3.0
EBGN434	PROPERTY RIGHTS AND NATURAL RESOURCES	3.0
EBGN437	REGIONAL ECONOMICS	3.0
EBGN441	INTERNATIONAL ECONOMICS	3.0
EBGN443	PUBLIC ECONOMICS	3.0
EBGN470	ENVIRONMENTAL ECONOMICS	3.0
EDNS375	ENGINEERING CULTURES	3.0
EDNS377	ENGINEERING AND SUSTAINABLE COMMUNITY DEVELOPMENT	3.0
EDNS430	CORPORATE SOCIAL RESPONSIBILITY	3.0
EDNS475	ENGINEERING CULTURES IN THE DEVELOPING WORLD	3.0
EDNS478	ENGINEERING AND SOCIAL JUSTICE	3.0
EDNS479	ENGINEERS ENGAGING COMMUNITIES	3.0
EDNS480	ANTHROPOLOGY OF DEVELOPMENT	3.0
ENGY330	ENERGY ECONOMICS	3.0
ENGY490	ENERGY AND SOCIETY	3.0
HASS220	INTRODUCTION TO PHILOSOPHY	3.0
HASS221	INTRODUCTION TO RELIGIONS	3.0
HASS226	BEGINNING CLASS PIANO AND FUNDAMENTALS OF MUSIC	3.0
HASS286	GLOBAL POLITICS & SOCIETY	3.0
HASS298	SPECIAL TOPICS	1.0
HASS300	CREATIVE WRITING: FICTION	3.0
HASS301	CREATIVE WRITING: POETRY I	3.0
HASS305	AMERICAN LITERATURE: COLONIAL PERIOD TO THE PRESENT	3.0

HASS307	EXPLORATIONS IN COMPARATIVE LITERATURE	3.0	HASS441	AFRICAN DEVELOPMENT	3.0
HASS309	LITERATURE AND SOCIETY	3.0	HASS442	NATURAL RESOURCES AND WAR IN AFRICA	3.0
HASS315	MUSICAL TRADITIONS OF THE WESTERN WORLD	3.0	HASS446	GLOBALIZATION	3.0
HASS320	ETHICS	3.0	HASS448	GLOBAL ENVIRONMENTAL ISSUES	3.0
HASS323	INTRODUCTION TO SCIENCE COMMUNICATION	3.0	HASS450	POLITICAL RISK ASSESSMENT	3.0
HASS324	AUDIO/ACOUSTICAL ENGINEERING AND SCIENCE	3.0	HASS452	CORRUPTION AND DEVELOPMENT	3.0
HASS325	CULTURAL ANTHROPOLOGY	3.0	HASS453	ETHNIC CONFLICT IN GLOBAL PERSPECTIVE	3.0
HASS326	MUSIC THEORY	3.0	HASS456	POWER AND POLITICS IN EURASIA	3.0
HASS327	MUSIC TECHNOLOGY	3.0	HASS458	NATURAL RESOURCES AND DEVELOPMENT	3.0
HASS328	BASIC MUSIC COMPOSITION AND ARRANGING	1.0	HASS460	GEOPOLITICS OF NATURAL RESOURCES	3.0
HASS330	MUSIC TECHNOLOGY CAPSTONE	3.0	HASS464	HISTORY OF ENERGY AND THE ENVIRONMENT	3.0
HASS337	ASIA: POLITICS & SOCIETY	3.0	HASS467	HISTORY OF EARTH AND ENVIRONMENTAL SCIENCES	3.0
HASS339	MIDDLE EAST: POLITICS & SOCIETY	3.0	HASS484	US WATER POLITICS AND POLICY	3.0
HASS341	AFRICA: POLITICS & SOCIETY	3.0	HASS485	CONSTITUTIONAL LAW AND POLITICS	3.0
HASS344	INTERNATIONAL RELATIONS	3.0	HASS486	SCIENCE AND TECHNOLOGY POLICY	3.0
HASS365	HISTORY OF WAR	3.0	HASS487	ENVIRONMENTAL POLITICS AND POLICY	3.0
HASS370	HISTORY OF SCIENCE	3.0	HASS488	GLOBAL WATER POLITICS AND POLICY	3.0
HASS376	COMMUNITY ENGAGEMENT THROUGH SERVICE LEARNING	3.0	HASS490	ENERGY AND SOCIETY	3.0
HASS398	SPECIAL TOPICS	1-6	HASS491	ENERGY POLITICS	3.0
HASS400	ADVANCED SHORT FICTION WRITING WORKSHOP	3.0	HASS492	ENERGY AND SECURITY POLICY	3.0
HASS401	CREATIVE WRITING: POETRY II	3.0	HASS498	SPECIAL TOPICS	1-6
HASS404	WOMEN, LITERATURE, AND SOCIETY	3.0	LIFL113	SPANISH I	3.0
HASS406	THE LITERATURE OF WAR AND REMEMBRANCE	3.0	LIFL114	ARABIC I	3.0
HASS407	SCIENCE IN LITERATURE	3.0	LIFL115	GERMAN I	3.0
HASS408	LIFE STORIES	3.0	LIFL119	FRENCH I	3.0
HASS409	SHAKESPEAREAN DRAMA	3.0	LIFL123	SPANISH II	3.0
HASS410	CRITICAL PERSPECTIVES ON 20TH CENTURY LITERATURE	3.0	LIFL124	ARABIC II	3.0
HASS411	LITERATURES OF THE AFRICAN WORLD	3.0	LIFL125	GERMAN II	3.0
HASS412	LITERATURE AND THE ENVIRONMENT	3.0	LIFL129	FRENCH II	3.0
HASS415	MASS MEDIA STUDIES	3.0	LIFL213	SPANISH III	3.0
HASS416	FILM STUDIES	3.0	PEGN430	ENVIRONMENTAL LAW AND SUSTAINABILITY	3.0
HASS418	NARRATING THE NATION	3.0			
HASS419	ENVIRONMENTAL COMMUNICATION	3.0			
HASS421	ENVIRONMENTAL PHILOSOPHY AND POLICY	3.0			
HASS423	ADVANCED SCIENCE COMMUNICATION	3.0			
HASS425	INTERCULTURAL COMMUNICATION	3.0			
HASS426	SCIENTIFIC CONTROVERSIES	3.0			
HASS429	REAL WORLD RECORDING/RESEARCH	3.0			
HASS431	MORAL PSYCHOLOGY, RELIGION, AND AMERICAN SOCIETY	3.0			
HASS433	SHAKESPEARE AND THE SCIENTIFIC REVOLUTION	3.0			
HASS435	LATIN AMERICAN DEVELOPMENT	3.0			
HASS437	ASIAN DEVELOPMENT	3.0			
HASS439	MIDDLE EAST DEVELOPMENT	3.0			

General CSM Minor/ASI requirements can be found here (p. 46).

Minor Programs

The Division of Humanities, Arts, and Social Sciences Studies offers several minor programs. Students who elect to pursue a minor **usually** will satisfy the HSS requirements; however, the Music Technology ASI will not satisfy these requirements. Students will need to use their free elective hours to complete a minor.

A minor requires a minimum of 18 credit-hours; an area of special interest (ASI) requires a minimum of 12 credit hours. No more than half the credits to be applied towards an HASS minor or ASI may be transfer credits. The HASS Undergraduate Faculty Advisor must approve all transfer credits that will be used for an HASS minor or ASI.

The student must fill out a Minor/Area of Special Interest Declaration (available in the Registrar's Office) and obtain approval signatures from the student's CSM advisor, from the Head or Director of the student's major department or division, and from the HASS Faculty Undergraduate Advisor. Students should consult the listed advisors for the specific requirements of each minor.

The minors or ASI's available and their advisors are

Minor in Culture, Creativity, and Communication

Given the diverse disciplinary and interdisciplinary interests of Mines students, the Culture, Creativity, Communication minor provides a flexible, interdisciplinary range of options so students can follow particular passions bolstered by distinctive, signature experiences. Students will take courses below as part of a pathway in Literature and Creative Writing, a pathway in Communication Studies, or an intellectually coherent pathway in both.

The CCC minor elevates student capacity for empathy, contextual understanding, intellectual versatility, creative cognition, and expressive clarity. This minor will help students who feel a passion for culture and the arts, and who yearn to explore diverse fields of literary studies, creative writing, and communication studies.

Students in the Culture, Creativity, Communication minor must complete 18 hours of coursework, selected with the guidance of a faculty advisor, from the courses below.

Midlevel courses:

HASS201	WORKSHOP FOUNDATIONS: THE ART AND CRAFT OF CREATIVE WRITING	3.0
HASS300	CREATIVE WRITING: FICTION	3.0
HASS301	CREATIVE WRITING: POETRY I	3.0
HASS305	AMERICAN LITERATURE: COLONIAL PERIOD TO THE PRESENT	3.0
HASS307	EXPLORATIONS IN COMPARATIVE LITERATURE	3.0
HASS309	LITERATURE AND SOCIETY	3.0
HASS320	ETHICS	3.0
HASS323	INTRODUCTION TO SCIENCE COMMUNICATION	3.0

400-level courses (minimum of two):

HASS400	ADVANCED SHORT FICTION WRITING WORKSHOP	3.0
HASS401	CREATIVE WRITING: POETRY II	3.0
HASS404	WOMEN, LITERATURE, AND SOCIETY	3.0
HASS406	THE LITERATURE OF WAR AND REMEMBRANCE	3.0
HASS407	SCIENCE IN LITERATURE	3.0
HASS408	LIFE STORIES	3.0
HASS409	SHAKESPEAREAN DRAMA	3.0
HASS410	CRITICAL PERSPECTIVES ON 20TH CENTURY LITERATURE	3.0
HASS411	LITERATURES OF THE AFRICAN WORLD	3.0
HASS412	LITERATURE AND THE ENVIRONMENT	3.0
HASS415	MASS MEDIA STUDIES	3.0
HASS416	FILM STUDIES	3.0
HASS418	NARRATING THE NATION	3.0
HASS419	ENVIRONMENTAL COMMUNICATION	3.0
HASS423	ADVANCED SCIENCE COMMUNICATION	3.0
HASS425	INTERCULTURAL COMMUNICATION	3.0

HASS426	SCIENTIFIC CONTROVERSIES	3.0
HASS433	SHAKESPEARE AND THE SCIENTIFIC REVOLUTION	3.0

Minor in Environment and Sustainability Studies

Environmental Studies is an interdisciplinary field that examines human interactions with the natural environment from the perspective of the humanities and social sciences. The Minor provides political, social, cultural, economic, and historical perspectives on modern environmental challenges, complementing student expertise in science and engineering.

This strengthens their capacity for advanced analysis environmental issues, and prepares them for career opportunities in environmental health and safety, policy, design, and consulting.

The Minor in Environment and Sustainability Studies requires 18 hours of course work, including 12 credit hours in HASS electives, 3 credit hours in restricted environmental science and engineering electives, and a required capstone class. No more than 9 of the 18 hours required can apply towards degree requirements other than free electives.

The HASS curriculum of Environment and Sustainability Studies is designed to provide students with an interdisciplinary perspective on human interaction with the environment from the perspective of the humanities and social sciences.

The Environment and Sustainability Studies Minor is designed to strengthen interdisciplinary collaboration across campus, in order to provide students with an enhanced capacity to recognize the connections between technical and non-technical courses. Students completing the Minor are required to take 3 credits in an upper-division course on environmental science and engineering. Faculty involved in the Environment and Sustainability Studies Minor will work with colleagues across campus to identify upper-division electives in environmental science and engineering that can fulfill this requirement.

Capstone

Students taking the ESS minor will be required to take a capstone course, HASS448. This course requires students to examine contemporary environmental challenges in a wide array of real world contexts relevant to their majors, and articulate innovative solutions to those challenges through advanced academic research, persuasive written arguments, and innovative public presentations. Although a member of the ESS faculty will serve as primary instructor and coordinator, a significant portion of class time devoted to invited guest lectures and discussions from other HASS faculty, alumni, industry practitioners, and STEM faculty from across campus.

Minor requirements

H&SS XXX	H&SS ELECTIVES	12.0
ELECT XXX	Restricted Environmental Science and Engineering Elective	3.0
HASS448	GLOBAL ENVIRONMENTAL ISSUES	3.0
Total Semester Hrs		18.0

Minor in Global Politics and Society (GPS)

The GPS Minor (18 credit hours) prepares engineers and scientists with the knowledge and experience they need to tackle complex global issues and become leaders in their professional and personal lives,

within their own countries and in the global community. Drawing primarily from the social sciences, our classes link theories with real-world problems, while enhancing students' analytical and communication skills. Courses provide the political, social, and historical contexts to better understand world regions, particularly ones with significant natural resource endowments. Topics include war, trade, energy, corruption, and religion. Fitting the Mines' mission, our courses bring a stronger focus to natural resources and energy issues than similar programs at other universities.

Required Course: One of the following two courses

HASS460	GEOPOLITICS OF NATURAL RESOURCES	3.0
HASS344	INTERNATIONAL RELATIONS	3.0

Electives

The remaining credits must come from the following courses. AT LEAST one must be a 400-level class.

Regional Focus

HASS337	ASIA: POLITICS & SOCIETY	3.0
HASS339	MIDDLE EAST: POLITICS & SOCIETY	3.0
HASS341	AFRICA: POLITICS & SOCIETY	3.0
HASS411	LITERATURES OF THE AFRICAN WORLD	3.0
HASS437	ASIAN DEVELOPMENT	3.0
HASS439	MIDDLE EAST DEVELOPMENT	3.0
HASS441	AFRICAN DEVELOPMENT	3.0
HASS442	NATURAL RESOURCES AND WAR IN AFRICA	3.0
HASS456	POWER AND POLITICS IN EURASIA	3.0

Global Focus

HASS307	EXPLORATIONS IN COMPARATIVE LITERATURE	3.0
HASS431	MORAL PSYCHOLOGY, RELIGION, AND AMERICAN SOCIETY	3.0
HASS542	NATURAL RESOURCES AND WAR IN AFRICA	3.0
HASS490	ENERGY AND SOCIETY	3.0

Politics and Policy Focus

HASS486	SCIENCE AND TECHNOLOGY POLICY	3.0
HASS488	GLOBAL WATER POLITICS AND POLICY	3.0
HASS491	ENERGY POLITICS	3.0
HASS492	ENERGY AND SECURITY POLICY	3.0

Foreign Languages

LIFL1XX	Foreign Language	Up to six hours 3-6
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Minor in Music, Audio Engineering, and the Recording Arts

Program Advisor: Robert Klimek. Program Co-Advisor: Jonathan Cullison.

The Music, Audio Engineering, and the Recording Arts Minor is designed for students interested in the crossover field between music and related technical skills. Technical emphasis within this minor creates an opportunity for the student to research/experience the impact of their specific majors upon both music as an art form and music as an industry.

Throughout the minor, students are exposed to the refinements and developments that technology has created in the field of recording, production, sound reinforcement and product design, as well as, the

interplay between the arts and technology. The discovery of connections between current music and sound engineering practices is stressed. The final outcome is a skilled and informed studio musician/technician in present day studio conditions. Finally, this minor is not designed to expand any current engineering curriculum, but to complement a student's education.

Students desiring a Music, Audio Engineering, and the Recording Arts Minor must complete 18 hours of courses as follows:

Four *required* music courses (12 credit-hours):

HASS324	AUDIO/ACOUSTICAL ENGINEERING AND SCIENCE	3.0
HASS327	MUSIC TECHNOLOGY	3.0
HASS315	MUSICAL TRADITIONS OF THE WESTERN WORLD	3.0
HASS330	MUSIC TECHNOLOGY CAPSTONE	3.0
Total Semester Hrs		12.0

One 400 level *required* course (3 credit hours):

HASS429	REAL WORLD RECORDING/RESEARCH	3.0
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Three additional credit-hours:

HASS326	MUSIC THEORY	3.0
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Performance Enhancement (3 credit hours total)

LIMU	ENSEMBLE	Two semesters
LIMU189	INDIVIDUAL INSTRUMENTAL OR VOCAL MUSIC INSTRUCTION	One semester

Individualized Undergraduate Minor

Program Advisor: Prof. Sandy Woodson. Students declaring an Undergraduate Individual Minor in LAIS must choose 18 restricted elective hours in LAIS with a coherent rationale reflecting some explicit focus of study that the student wishes to pursue. A student desiring this minor must design it in consultation with a member of the LAIS faculty who approves the rationale and the choice of courses, eg., pre-law or pre-med courses.

Area of Special Interest in Music Technology

Program Advisor: Prof. Bob Klimek. The Area of Special Interest in Music Technology is comprised of a sequence of courses that allows students to combine interests and abilities in both the science and theory of music production. Completion of this ASI will train students in the technical aspects of the music recording industry, including sound and video recording, sound effects, and software design.

The Guy T. McBride, Jr. Honors Program in Public Affairs

Program Director: Prof. Kenneth Osgood. The curriculum of the McBride Honors Program in Public Affairs offers an honors minor consisting of seminars, courses, and off-campus activities that has the primary goal of providing a select number of students the opportunity to cross the boundaries of their technical expertise into the ethical, cultural, socio-political, and environmental dimensions of human life. Students will develop their skills in communication, critical thinking, and leadership through seminar style classes that explore diverse aspects of the human experience. The seminars allow for a maximum degree of discussion and

debate on complex topics. Themes and perspectives from the humanities and the social sciences are integrated with science and engineering to develop in students a sophisticated understanding of the social context in which scientists and engineers work.

Professors

Elizabeth Van Wie Davis

Kenneth Osgood

Associate Professors

Hussein A. Amery, Division Director

Tina L. Gianquitto

Kathleen J. Hancock

John R. Heilbrunn

Jon Leydens

James D. Straker

Assistant Professors

Adrienne Kroepsch

Teaching Professors

Sarah Hitt, McBride Program Director

Sandra Woodson, Undergraduate Advisor

Robert Klimek, Music Program Director

Tonya Lefton

Teaching Associate Professors

Jonathan H. Cullison

Paula A. Farca

Cortney E. Holles

Joseph Horan, Associate Division Director

Derrick Hudson

Rose Pass

Teaching Assistant Professors

Margaret Greenwood

Melanie Brandt

Olivia Burgess

Rachel Osgood

Seth Tucker

Hennebach Visiting Scholar

Shannon D. Mancus

Research Assistant Professor

Qin Zhu

Professors Emeriti

Carl Mitcham

W. John Cieslewicz

T. Graham Hereford

Barbara M. Olds

Eul-Soo Pang

Anton G. Pegis

Thomas Philipose, University professor emeriti

Arthur B. Sacks

Joseph D. Sneed

Associate Professors Emeriti

Betty J. Cannon

Kathleen H. Ochs

Laura J. Pang

Karen B. Wiley

Courses

HASS100. NATURE AND HUMAN VALUES. 4.0 Semester Hrs.

Equivalent with LAIS100,

Nature and Human Values will focus on diverse views and critical questions concerning traditional and contemporary issues linking the quality of human life and Nature, and their interdependence. The course will examine various disciplinary and interdisciplinary approaches regarding two major questions: 1) How has Nature affected the quality of human life and the formulation of human values and ethics? (2) How have human actions, values, and ethics affected Nature? These issues will use cases and examples taken from across time and cultures. Themes will include but are not limited to population, natural resources, stewardship of the Earth, and the future of human society. This is a writing-intensive course that will provide instruction and practice in expository writing, using the disciplines and perspectives of the Humanities and Social Sciences. 4 hours lecture/seminar; 4 semester hours.

Themes will include but are not limited to population, natural resources, stewardship of the Earth, and the future of human society. This is a writing-intensive course that will provide instruction and practice in expository writing, using the disciplines and perspectives of the Humanities and Social Sciences. 4 hours lecture/seminar; 4 semester hours.

HASS198. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

HASS199. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

HASS200. GLOBAL STUDIES. 3.0 Semester Hrs.

Equivalent with LAIS200,SYGN200,

(I, II, S) Part of the Mines core curriculum, following the first-year requirement of HASS 100 (Nature and Human Values). Modern scientists and engineers operate in an increasingly interconnected world. This course is designed to enhance student capacity to understand, appreciate, and critically analyze the global contexts in which they will live and work. Course material examines the modern world through specific thematic lenses, with an emphasis on the major patterns of cultural, political, and/or environmental change. Students will develop original analysis through comparative empirical research on diverse societies and regions, and will communicate this analysis orally and in writing. Prerequisite: HASS100. 3 hours lecture; 3 semester hours.

HASS201. WORKSHOP FOUNDATIONS: THE ART AND CRAFT OF CREATIVE WRITING. 3.0 Semester Hrs.

Equivalent with LAIS201,

(I, II, S) (WI) This course examines the major patterns of modern and contemporary written forms. Topics analyzed include poetics, prose and creative nonfiction, and the personal or lyric essay. Poetics will focus on writing from imagism to modernism to beat and hippy writing, up to contemporary and postmodern poetry. Prose writing will examine the development of the shorts story from inception to contemporary approaches. Analysis of historical trends and change will also serve as a basis for developing student writing habits and strategies. Over the course of the semester, these subjects will be addressed through seminars, readings, workshops, and in-class discussion and activities. Prerequisites: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS202. TECHNICAL COMMUNICATION. 3.0 Semester Hrs.

(I) Technical Communication introduces students to the written and oral communication of technical information, and prepares students for effective professional communication. The course covers workplace writing, such as memos, proposals, and reports, visual communication, best practices for layout and design, ethical practices in the workplace, multimodal communication technologies, and oral presentations. 3 hours lecture; 3 semester hours.

HASS220. INTRODUCTION TO PHILOSOPHY. 3.0 Semester Hrs.

Equivalent with LAIS220,

A general introduction to philosophy that explores historical and analytic traditions. Historical exploration may compare and contrast ancient and modern, rationalist and empiricist, European and Asian approaches to philosophy. Analytic exploration may consider such basic problems as the distinction between illusion and reality, the one and the many, the structure of knowledge, the existence of God, the nature of mind or self. Prerequisite: HASS 100. Corequisite: HASS 200. 3 hours lecture; 3 credit hours.

HASS221. INTRODUCTION TO RELIGIONS. 3.0 Semester Hrs.

Equivalent with LAIS221,

This course has two focuses. We will look at selected religions emphasizing their popular, institutional, and contemplative forms; these will be four or five of the most common religions: Hinduism, Buddhism, Judaism, Christianity, and/or Islam. The second point of the course focuses on how the Humanities and Social Sciences work. We will use methods from various disciplines to study religion-history of religions and religious thought, sociology, anthropology and ethnography, art history, study of myth, philosophy, analysis of religious texts and artifacts (both contemporary and historical), analysis of material culture and the role it plays in religion, and other disciplines and methodologies. We will look at the question of objectivity; is it possible to be objective? We will approach this methodological question using the concept ?standpoint.? For selected readings, films, and your own writings, we will analyze what the ?standpoint? is. Prerequisite: HASS 100. Corequisite: HASS 200. 3 hours lecture; 3 semester hours.

HASS226. BEGINNING CLASS PIANO AND FUNDAMENTALS OF MUSIC. 3.0 Semester Hrs.

Equivalent with LAIS226,

(I, II, S) HASS 226 is a beginning keyboard class. Students will learn to read music, develop fundamental keyboard skills, grasp basic music theory and history concepts, and understand the communal nature of music through ensemble preparation and public performance. Assessment will be based on class participation, written exams, student reflection papers, written and aural homework assignments, and public performances in class. The course will be a recommended, but not required, prerequisite for HASS 326 (Music Theory) and HASS 328 (Basic Music Composition and Arranging). Prerequisite: HASS100. Corequisite: HASS 200. 3 hours lecture; 3 semester hours.

HASS286. GLOBAL POLITICS & SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS286,

(I, II, S) This is a beginning- level course intended to familiarize students with the study of politics across societies. The method is comparative in that it approaches the task of studying the world's different political systems by contrasting and comparing them along different dimensions, and by seeking generalizations about them. The class focuses on cases, topics, and methodologies in American and comparative politics. The course is part of the Global Politics & Society Minor. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS298. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: HASS100. Corequisite: HASS200. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

HASS299. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Prerequisite: HASS100. Corequisite: HASS200. Variable credit; 1 to 6 credit hours. Repeatable for credit.

HASS300. CREATIVE WRITING: FICTION. 3.0 Semester Hrs.

Equivalent with LAIS300,

Students will write weekly exercises and read their work for the pleasure and edification of the class. The midterm in this course will be the production of a short story. The final will consist of a completed, revised short story. The best of these works may be printed in a future collection. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS301. CREATIVE WRITING: POETRY I. 3.0 Semester Hrs.

Equivalent with LAIS301,

This course focuses on reading and writing poetry. Students will learn many different poetic forms to compliment prosody, craft, and technique. Aesthetic preferences will be developed as the class reads, discusses, and models some of the great American poets. Weekly exercises reflect specific poetic tools, encourage the writing of literary poetry, and stimulate the development of the student's craft. The purpose of the course is to experience the literature and its place in a multicultural society, while students try on various styles and contexts in order to develop their own voice. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS305. AMERICAN LITERATURE: COLONIAL PERIOD TO THE PRESENT. 3.0 Semester Hrs.

Equivalent with LAIS305,

This course offers an overview of American literature from the colonial period to the present. The texts of the class provide a context for examining the traditions that shape the American nation as a physical, cultural and historical space. As we read, we will focus on the relationships between community, landscape, history, and language in the American imagination. We will concentrate specifically on conceptions of the nation and national identity in relation to race, gender, and class difference. Authors may include: Rowlandson, Brown, Apess, Hawthorne, Douglass, Melville, Whitman, James, Stein, Eliot, Hemingway, Silko, and Auster. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS307. EXPLORATIONS IN COMPARATIVE LITERATURE. 3.0 Semester Hrs.

Equivalent with LAIS307,

This course examines major figures and themes in the modern literatures of Africa, the Caribbean, and Latin America. Reading, discussion and writing will focus on fiction and poetry representing Francophone, Arabic, and Hispanophone traditions within these world regions. Engaging these texts will foster understanding of some of the pivotal philosophical, political, and aesthetic debates that have informed cultural practices in diverse colonial territories and nation-states. Thematic and stylistic concerns will include imperialism, nationalism, existentialism, Orientalism, negritude, and social and magical realisms. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS309. LITERATURE AND SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS309,

Before the emergence of sociology as a distinct field of study, literary artists had long been investigating the seemingly infinite complexity of human societies, seeking to comprehend the forces shaping collective identities, socio-cultural transformations, technological innovations, and political conflicts. Designed to enrich recognition and understanding of the complex interplay of artistic creativity and social inquiry over time, this course compares influential literary and social-scientific responses to the Enlightenment, the Industrial Revolution, and other dynamic junctures integral to the forging of "modernity" and the volatile world we inhabit today. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS315. MUSICAL TRADITIONS OF THE WESTERN WORLD. 3.0 Semester Hrs.

Equivalent with LAIS315,

An introduction to music of the Western world from its beginnings to the present. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS320. ETHICS. 3.0 Semester Hrs.

Equivalent with LAIS320,

A general introduction to ethics that explores its analytic and historical traditions. Reference will commonly be made to one or more significant texts by such moral philosophers as Plato, Aristotle, Augustine, Thomas Aquinas, Kant, John Stuart Mill, and others. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS323. INTRODUCTION TO SCIENCE COMMUNICATION. 3.0 Semester Hrs.

Equivalent with LAIS323,

This course will explore the relationship between science and the public through an examination of science writing and communication on current events. Students will study various forms of science communication, including essays, blogs, news segments, media clips, and radio programs in order to understand the ways in which science is communicated beyond the lab or university and into the public consciousness. Science writing often explores the human condition, reflects on hopes and worries about technology, and informs our collective knowledge about the world. Students will discuss the implications of this kind of communication, analyze breakdowns in communication through case studies, and write for peer and popular audiences, including turning a lab report into a short feature article and writing a science essay. Prerequisite: HASS100. Corequisite HASS200. 3 hours lecture; 3 semester hours.

HASS324. AUDIO/ACOUSTICAL ENGINEERING AND SCIENCE. 3.0 Semester Hrs.

Equivalent with LAIS324,

(I) Audio/acoustical engineering and science teaches concepts surrounding the production, transmission, manipulation and reception of audible sound. These factors play a role in many diverse areas such as the design of modern music technology products, recording studios and loudspeakers, civil engineering and building design, and industrial safety. This course will explore and concepts of this field and the physics/mechanics that are involved, as well as aesthetic impacts related to the subject matter. Discussion of human anatomy and psycho acoustic phenomena are also presented. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS325. CULTURAL ANTHROPOLOGY. 3.0 Semester Hrs.

Equivalent with LAIS325,

A study of the social behavior and cultural development of humans. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS326. MUSIC THEORY. 3.0 Semester Hrs.

Equivalent with LAIS326,

(I) The course begins with the fundamentals of music theory and moves into more complex applications. Music of the common practice period (18th century) and beyond is considered. Aural and visual recognition of harmonic material is emphasized. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS327. MUSIC TECHNOLOGY. 3.0 Semester Hrs.

Equivalent with LAIS327,

(I, II) An introduction to the physics of music and sound. The history of music technology from wax tubes to synthesizers. Construction of instruments and studio. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS328. BASIC MUSIC COMPOSITION AND ARRANGING. 1.0 Semester Hr.

Equivalent with LAIS328,

(I) This course begins with the fundamentals of music composition and works towards basic vocal and instrumental arrangement skills. Upon completion of this course the student should: 1) Demonstrate basic knowledge of (music) compositional techniques; 2) Demonstrate primary concepts of vocal and instrumental ensemble arrangement; 3) Demonstrate an ability to use notational software and Midi station hardware. Prerequisite: HASS100. Corequisite: HASS200. Repeatable for credit. 1 hour lecture; 1 semester hour.

HASS330. MUSIC TECHNOLOGY CAPSTONE. 3.0 Semester Hrs.

Equivalent with LAIS330,

(II) Project-based course designed to develop practical technological and communication skills for direct application to the music recording. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS337. ASIA: POLITICS & SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS337,

(I, II, S) (WI) A broad survey of the interrelationship between the state and economy in East and Southeast Asia as seen through an examination of critical contemporary and historical issues that shape polity, economy, and society. Special emphasis will be given to the dynamics of interstate relationships between the developed North and the developing South. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS339. MIDDLE EAST: POLITICS & SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS339,

(I, II, S) (WI) A broad survey of the interrelationships between the state and market in the Middle East as seen through an examination of critical contemporary and historical issues that shape polity, economy, and society. Special emphasis will be given to the dynamics between the developed North and the developing South. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS341. AFRICA: POLITICS & SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS341,

(I, II, S) (WI) A broad survey of the interrelationships between the state and market in Africa as seen through an examination of critical contemporary and historical issues that shape polity, economy, and society. Special emphasis will be given to the dynamics between the developed North and the developing South. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS344. INTERNATIONAL RELATIONS. 3.0 Semester Hrs.

Equivalent with LAIS344,

This course surveys major topics and theories of international relations. Students will evaluate diverse perspectives and examine a variety of topics including war and peace, economic globalization, human rights and international law, international environmental issues, and the role of the US as the current superpower. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS365. HISTORY OF WAR. 3.0 Semester Hrs.

Equivalent with LAIS365,

History of War looks at war primarily as a significant human activity in the history of the Western World since the times of Greece and Rome to the present. The causes, strategies, results, and costs of various wars will be covered, with considerable focus on important military and political leaders as well as on noted historians and theoreticians. The course is primarily a lecture course with possible group and individual presentations as class size permits. Tests will be both objective and essay types. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS370. HISTORY OF SCIENCE. 3.0 Semester Hrs.

Equivalent with LAIS370,

An introduction to the social history of science, exploring significant people, theories, and social practices in science, with special attention to the histories of physics, chemistry, earth sciences, ecology, and biology. Prerequisite: HASS100. Corequisite HASS200. 3 hours lecture; 3 semester hours.

HASS376. COMMUNITY ENGAGEMENT THROUGH SERVICE LEARNING. 3.0 Semester Hrs.

Equivalent with LAIS376,

(II) Community Engagement through Service Learning combines a traditional classroom environment with an off campus learning experience with a local non-profit or community organization. Students spend 3-4 hours per week serving the organization they choose and meet in class once per week to discuss reading assignments, present research findings, and share experiences and insights about the course material. Instructors may choose to focus on a particular topic or social issue, such as poverty and privilege, or may engage with community issues more broadly. The course focuses on several aspects of a student's learning, including intra- and interpersonal learning, discovering community, and developing communication skills and critical and interdisciplinary approaches. Course work will focus on critical reading, group discussion and deliberation, oral presentations of research, and writing assignments. Prerequisites: HASS100. Corequisite: HASS200. 2 hours lecture; 3 hours lab; 3 semester hours.

HASS398. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: HASS100. Corequisite: HASS200. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

HASS399. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Prerequisite: HASS100. Corequisite: HASS200. Variable credit; 1 to 6 credit hours. Repeatable for credit.

HASS400. ADVANCED SHORT FICTION WRITING WORKSHOP. 3.0 Semester Hrs.

(II) (WI) This upper-level HASS course examines the major patterns of modern and contemporary written forms of fiction, and asks students to apply what they learn in their own writing. Topics analyzed include: prose and narrative theory, organizational approaches to fiction, plot, character, setting, and all the many aspects of professional creative writing. Critical prose writing by the students will examine the development of the short story from inception to contemporary approaches. Analysis of historical trends and change will also serve as a basis for developing student writing habits and strategies. Over the course of the semester, these subjects will be addressed through seminars, readings, workshops, and in-class discussion and activities. Students will advance their own fiction-writing skills, which will be demonstrated in two new short stories over the course of the semester, and will turn in a final portfolio and critical paper to show their growth. Prerequisites: HASS100, HASS200. Corequisites: HASS300, HASS301, and HASS401. 3 hours seminar; 3 semester hours.

HASS401. CREATIVE WRITING: POETRY II. 3.0 Semester Hrs.

Equivalent with LAIS401,

This course is a continuation of HASS 301 for those interested in developing their poetry writing further. It focuses on reading and writing poetry. Students will learn many different poetic forms to compliment prosody, craft, and technique. Aesthetic preferences will be developed as the class reads, discusses, and models some of the great American poets. Weekly exercises reflect specific poetic tools, encourage the writing of literary poetry, and simulate the development of the student's craft. The purpose of the course is to experience the literature and its place in a multicultural society, while students try on various styles and contexts in order to develop their own voice. Prerequisite: HASS100, HASS301. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS404. WOMEN, LITERATURE, AND SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS404,

This reading and writing intensive course examines the role that women writers have played in a range of literary traditions. Far from residing in the margins of key national debates, women writers have actively contributed their voices to demands for social, racial, economic, and artistic equality. We will examine the writing produced by women from a diversity of racial, ethnic, and social backgrounds, as we examine the ways in which women writers respond to the various pressures placed on them as artists and activists. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS406. THE LITERATURE OF WAR AND REMEMBRANCE. 3.0 Semester Hrs.

Equivalent with LAIS406,

In "The Literature of War and Remembrance," students survey poetry, prose, and film ranging from classical to contemporary war literature. The course considers literary depictions of the individual and society in war and its aftermath. Critical reading and writing skills are demonstrated in creative presentations and analytical essays. Students will investigate war literature and commemorative art inspired by recent world conflicts, and place a contemporary work into the thematic structure of the course. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS407. SCIENCE IN LITERATURE. 3.0 Semester Hrs.

Equivalent with LAIS407,

Science fiction often serves as a cautionary tale that deals with the darker side of humanity's desires in order to find a better understanding of who we are and what we hope to become. This class examines scientific and social progress as it is imagined by some of the greatest authors of the genre. We will examine the current events that may have influenced the writing and position our lens to the scientific and technological breakthroughs, as well as the social, cultural, and political state of the world at the time of our readings. This course focuses on classic science fiction from the late 1800's to the present which may include: Jules Verne, H.G. Wells, Sir Arthur Conan Doyle, Jack Williamson, Isaac Asimov, Robert Heinlein, Alfred Bester, Philip Jose Farmer, Marion Zimmer Bradley, Ray Bradbury, Philip K. Dick, William Gibson, Arthur C. Clarke, Ursula K. LeGuin and Mary Doria Russell, among others. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS408. LIFE STORIES. 3.0 Semester Hrs.

Equivalent with LAIS408,

Using texts by published authors and members of the class, we will explore the pleasures and challenges of creating and interpreting narratives based on "real life." The class will consider critical theories about the relationship between the self and the stories we tell. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS409. SHAKESPEAREAN DRAMA. 3.0 Semester Hrs.

Equivalent with LAIS409,

Shakespeare, the most well known writer in English and perhaps the world, deals with universal themes and the ultimate nature of what it is to be a human being. His plays are staged, filmed, and read around the globe, even after 400 years. This seminar will explore why Shakespeare's plays and characters have such lasting power and meaning to humanity. The seminar will combine class discussion, lecture, and video. Grades will be based on participation, response essays, and a final essay. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS410. CRITICAL PERSPECTIVES ON 20TH CENTURY LITERATURE. 3.0 Semester Hrs.

Equivalent with LAIS410,

This course introduces students to texts and cultural productions of the 20th Century literature. We will examine a diverse collection of materials, including novels and short stories, poems, plays, films, painting, and sculpture. Science, technology, violence, history, identity, language all come under the careful scrutiny of the authors we will discuss in this course, which may include Conrad, Fanon, Achebe, Eliot, Kafka, Barnes, Camus, Borges, and Marquez, among others. We will also screen films that comment upon the fragility of individual identity in the face of modern technology. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS411. LITERATURES OF THE AFRICAN WORLD. 3.0 Semester Hrs.

Equivalent with LAIS411,

This course examines wide-ranging writers' depictions of collective transformations and conflicts integral to the making and remaking of African and Afro-diasporic communities worldwide. Fiction, poetry, and essays representing diverse linguistic, aesthetic, and philosophical traditions will constitute the bulk of the reading. Alongside their intrinsic expressive values, these texts illuminate religious and popular cultural practices important to social groups throughout much of sub-Saharan Africa, the Caribbean, Latin America, and the United States. Primary socio-historical themes may include the slave trade, plantation cultures, generational consciousness, ethnicity, gender relations, urbanization, and collective violence. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS412. LITERATURE AND THE ENVIRONMENT. 3.0 Semester Hrs.

Equivalent with LAIS412,

This reading and writing intensive course investigates the human connection to the environment in a broad range of literary materials. Discussions focus on the role of place - of landscape as physical, cultural, moral, historical space - and on the relationship between landscape and community, history, and language in the environmental imagination. Readings include texts that celebrate the natural world, those that indict the careless use of land and resources, and those that predict and depict the consequences of that carelessness. Additionally, we investigate philosophical, legal, and policy frameworks that shape approaches to environmental issues. Prerequisite: HASS100. Corequisite HASS200. 3 hours seminar; 3 semester hours.

HASS415. MASS MEDIA STUDIES. 3.0 Semester Hrs.

Equivalent with LAIS415,

This introduction to mass media studies is designed to help students become more active interpreters of mass media messages, primarily those that emanate from television, radio, the Internet, sound recordings (music), and motion pictures (film, documentary, etc.). Taking a broad rhetorical and sociological perspective, the course examines a range of mass media topics and issues. Students should complete this course with enhanced rhetorical and sociological understandings of how media shapes individuals, societies, and cultures as well as how those groups shape the media. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS416. FILM STUDIES. 3.0 Semester Hrs.

Equivalent with LAIS416,

This course introduces students to the basics of film history, form, and criticism. Students will be exposed to a variety of film forms, including documentary, narrative, and formalist films, and will be encouraged to discuss and write about these forms using critical film language. Students will have an opportunity to work on their own film projects and to conduct research into the relationship between films and their historical, cultural, and ideological origins. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS418. NARRATING THE NATION. 3.0 Semester Hrs.

Equivalent with LAIS418,

The novel, nationalism, and the modern nation-state share the same eighteenth and nineteenth-century roots. Relationships between the works of novelists, local nationalisms, and state politics have, however, always been volatile. These tensions have assumed particularly dramatic expressive and political forms in Latin America and postcolonial South Asia and Africa. This course examines the inspirations, stakes, and ramifications of celebrated novelists' explorations of the conflicted and fragmentary character their own and/or neighboring nationstates. Beyond their intrinsic literary values, these texts illuminate distinctive religious, ritual, and popular cultural practices that have shaped collective imaginings of the nation, as well as oscillations in nationalist sentiment across specific regions and historical junctures. Studies in relevant visual media -films, paintings, and telenovelas - will further our comparative inquiry into the relationships between artistic narrative and critical perspectives on "the nation." Alongside the focal literary and visual texts, the course will address major historians' and social theorists' accounts of the origins, spread, and varied careers of nationalist thought and practice across our modern world. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS419. ENVIRONMENTAL COMMUNICATION. 3.0 Semester Hrs.

Equivalent with LAIS419,

(I, II, S) (WI) This course explores the ways that messages about the environment and environmentalism are communicated in the mass media, fine arts, and popular culture. The course will introduce students to key readings in environmental communication, media studies, and cultural studies in order to understand the many ways in which the images, messages, and politics of environmentalism and the natural world are constructed and contested. Students will critically analyze their roles as science and/or technology communicators in the context of environmental issues and will apply their skills to creating communications projects for diverse audiences. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS421. ENVIRONMENTAL PHILOSOPHY AND POLICY. 3.0 Semester Hrs.

Equivalent with LAIS421,

A critical examination of environmental ethics and the philosophical theories on which they depend. Topics may include preservation/conservation, animal welfare, deep ecology, the land ethic, eco-feminism, environmental justice, sustainability, or non-western approaches. This class may also include analyses of select, contemporary environmental issues. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS423. ADVANCED SCIENCE COMMUNICATION. 3.0 Semester Hrs.

Equivalent with LAIS423,

This course will examine historical and contemporary case studies in which science communication (or miscommunication) played key roles in shaping policy outcomes and/or public perceptions. Examples of cases might include the recent controversies over hacked climate science emails, nuclear power plant siting controversies, or discussions of ethics in classic environmental cases, such as the Dioxin pollution case. Students will study, analyze, and write about science communication and policy theories related to scientific uncertainty; the role of the scientist as communicator; and media ethics. Students will also be exposed to a number of strategies for managing their encounters with the media, as well as tools for assessing their communication responsibilities and capacities. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS425. INTERCULTURAL COMMUNICATION. 3.0 Semester Hrs.

Equivalent with LAIS425,

(I, II) The course examines intercultural communication theory and practice. In particular, the course provides students with a window into how intercultural (mis)communication cases arise, evolve, and are resolved. Students investigate communication cases and issues across a broad range of cultural divides, such as national, ethnic, gender, and social class cultures. Some case studies are situated in engineering and applied science contexts. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS426. SCIENTIFIC CONTROVERSIES. 3.0 Semester Hrs.

Equivalent with LAIS426,

(I, II) Examines national and international, historical and contemporary scientific and engineering controversies. In particular, the course provides students with a window into how scientific controversies arise, evolve, and are resolved both within scientific circles and in the public arena. By exploring case studies of such controversies, students gain a better understanding about how scientific controversies shape and are shaped by communication as well as by public policy. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture, 3 semester hours.

HASS429. REAL WORLD RECORDING/RESEARCH. 3.0 Semester Hrs.

Equivalent with LAIS429,

(WI) This reading and writing-intensive course explores the acoustical, musical, and technical aspects of recording a variety of live ethnomusicological music genres and/or performances, towards the purpose of learning how to research, document and capture the most accurate and authentic recording. Historical research, non-traditional recording techniques; archival documentation, and editing will all be a part of this course. Prerequisites: HASS100 and HASS315 or HASS327. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS431. MORAL PSYCHOLOGY, RELIGION, AND AMERICAN SOCIETY. 3.0 Semester Hrs.

Equivalent with LAIS431,

(I, II, S) (WI) This course introduces intersections of moral psychology, religion in American society. Course begins with an understanding of religion in the United States and how religion has influenced foreign affairs throughout history (national security). Course introduces insights from moral psychology to shed light on the political spectrum in American political life. The course then explores how faith-based organizations make decisions on when and how to enter American political life for social change (intrasecurity). Finally, the course explores the connections between religion and terrorism that have seen some rise in the early 21st century (national security). Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS433. SHAKESPEARE AND THE SCIENTIFIC REVOLUTION. 3.0 Semester Hrs.

Equivalent with LAIS433,

(I, II, S) (WI) This course investigates ways in which William Shakespeare, a contemporary of Galileo, reflects in his work scientific theories and discoveries emerging during the Renaissance that transformed long-held world views. Shakespeare presents characters encountering unprecedented challenges interpreting their own relationship to the natural world and the political world, the spiritual world and the New World, the world of arts and the human imagination. Because the Renaissance concept of science is so broad and multi-disciplinary, students will be able to pursue individual interests in their research for this course. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS435. LATIN AMERICAN DEVELOPMENT. 3.0 Semester Hrs.

Equivalent with LAIS435,

A seminar designed to explore the political economy of current and recent past development strategies, models, efforts, and issues in Latin America, one of the most dynamic regions of the world today. Development is understood to be a nonlinear, complex set of processes involving political, economic, social, cultural, and environmental factors whose ultimate goal is to improve the quality of life for individuals. The role of both the state and the market in development processes will be examined. Topics to be covered will vary as changing realities dictate but will be drawn from such subjects as inequality of income distribution; the role of education and health care; region-markets; the impact of globalization, institution-building, corporate-community-state interfaces, neoliberalism, privatization, democracy, and public policy formulation as it relates to development goals. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS437. ASIAN DEVELOPMENT. 3.0 Semester Hrs.

Equivalent with LAIS437,

This international political economy seminar deals with the historical development of Asia Pacific from agrarian to post-industrial eras; its economic, political, and cultural transformation since World War II, contemporary security issues that both divide and unite the region; and globalization processes that encourage Asia Pacific to forge a single trading bloc. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS439. MIDDLE EAST DEVELOPMENT. 3.0 Semester Hrs.

Equivalent with LAIS439,

This international political economy seminar analyzes economic, political and social dynamics that affect the progress and direction of states, markets, and peoples of the region. It examines the development of the Middle East from agrarian to post-industrial societies; economic, political and cultural transformations since World War II; contemporary security issues that both divide and unite the region; and the effects of globalization processes on economies and societies in the Middle East. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS441. AFRICAN DEVELOPMENT. 3.0 Semester Hrs.

Equivalent with LAIS441,

This course provides a broad overview of the political economy of Africa. Its goal is to give students an understanding of the possibilities of African development and the impediments that currently block its economic growth. Despite substantial natural resources, mineral reserves, and human capital, most African countries remain mired in poverty. The struggles that have arisen on the continent have fostered thinking about the curse of natural resources where countries with oil or diamonds are beset with political instability and warfare. Readings give first an introduction to the continent followed by a focus on the specific issues that confront African development today. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS442. NATURAL RESOURCES AND WAR IN AFRICA. 3.0 Semester Hrs.

Equivalent with LAIS442,

Africa possesses abundant natural resources yet suffers civil wars and international conflicts based on access to resource revenues. The course examines the distinctive history of Africa, the impact of the resource curse, mismanagement of government and corruption, and specific cases of unrest and war in Africa. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS446. GLOBALIZATION. 3.0 Semester Hrs.

Equivalent with LAIS446,

This international political economy seminar is an historical and contemporary analysis of globalization processes examined through selected issues of world affairs of political, economic, military, and diplomatic significance. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS448. GLOBAL ENVIRONMENTAL ISSUES. 3.0 Semester Hrs.

Equivalent with LAIS448,

Critical examination of interactions between development and the environment and the human dimensions of global change; social, political, economic, and cultural responses to the management and preservation of natural resources and ecosystems on a global scale. Exploration of the meaning and implications of "Stewardship of the Earth" and "Sustainable Development." Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS450. POLITICAL RISK ASSESSMENT. 3.0 Semester Hrs.

Equivalent with LAIS450,

This course will review the existing methodologies and techniques of risk assessment in both country-specific and global environments. It will also seek to design better ways of assessing and evaluating risk factors for business and public diplomacy in the increasingly globalized context of economy and politics wherein the role of the state is being challenged and redefined. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS452. CORRUPTION AND DEVELOPMENT. 3.0 Semester Hrs.

Equivalent with LAIS452,

(I, II, S) (WI) This course addresses the problem of corruption and its impact on development. Readings are multi disciplinary and include policy studies, economics, and political science. Students will acquire an understanding of what constitutes corruption, how it negatively affects development, and what they, as engineers in a variety of professional circumstances, might do in circumstances in which bribe paying or bribe taking might occur. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS453. ETHNIC CONFLICT IN GLOBAL PERSPECTIVE. 3.0 Semester Hrs.

Equivalent with LAIS453,

Many scholars used to believe that with modernization, racial, religious, and cultural antagonisms would weaken as individuals developed more rational outlooks and gave primacy to their economic concerns. Yet, with the waning of global ideological conflict of the left-right nature, conflict based on cultural and "civilization" differences have come to the fore in both developing and developed countries. This course will examine ethnic conflict, broadly conceived, in a variety of contexts. Case studies will include the civil war in Yugoslavia, the LA riots, the antagonism between the Chinese and "indigenous" groups in Southeast, the so-called war between the West and Islam, and ethnic relations in the U.S. We will consider ethnic contention in both institutionalized, political processes, such as the politics of affirmative action, as well as in non-institutionalized, extra-legal settings, such as ethnic riots, pogroms, and genocide. We will end by asking what can be done to mitigate ethnic conflict and what might be the future of ethnic group identification. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS456. POWER AND POLITICS IN EURASIA. 3.0 Semester Hrs.

Equivalent with LAIS456,

This seminar covers the major internal and international issues confronting the fifteen states that once comprised the Soviet Union. After an overview of the USSR and its collapse in 1991, the course explores subsequent economic and security dilemmas facing the "new" nations of Eurasia. Special attention will be paid to oil, natural gas, and other energy sectors in the region. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS458. NATURAL RESOURCES AND DEVELOPMENT. 3.0 Semester Hrs.

(I, II, S) (WI) This course examines the relationship between natural resources and development. It begins by discussing theories of development and how those theories account for specific choices among resource abundant countries. From the theoretical readings, students examine sector specific topics in particular cases. These subjects include oil and natural gas in African and Central Asian countries; hard rock mining in West Africa and East Asia; gemstone mining in Southern and West Africa; contracting in the extractive industries; and corporate social responsibility. Readings are multidisciplinary and draw from policy studies, economics, and political science to provide students an understanding of different theoretical approaches from the social sciences to explain the relationship between abundant natural resources and development. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS460. GEOPOLITICS OF NATURAL RESOURCES. 3.0 Semester Hrs.

Equivalent with LAIS460,

(I, II, S) (WI) This seminar examines geopolitical competition between great and aspiring powers for influence, control over land and natural resources, critical geo-strategic trade routes, or even infrastructure. Using empirical evidence from case studies, students develop a deeper understanding of the interconnections between the political, economic, social, cultural and geographic dimensions of foreign policies, as well as issues of war and peace. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS464. HISTORY OF ENERGY AND THE ENVIRONMENT. 3.0 Semester Hrs.

Equivalent with LAIS464,

(II) This course examines the major patterns of human energy use and interaction with the natural environment on a global scale from the origins of civilization to the present day. Topics analyzed include the dynamics of historical change in energy and resource use, the ways in which energy and the environment have shaped the development of past societies, cultural perceptions of energy and the environment during different historical eras, and the impact of past human activities on natural systems. Analysis of historical trends will also serve as a basis for discussions related to current issues in energy and the environment. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS467. HISTORY OF EARTH AND ENVIRONMENTAL SCIENCES. 3.0 Semester Hrs.

Equivalent with LAIS467,

This course provides an overview of the history of some of the key sciences that help us understand the world we inhabit: geology, climatology, evolutionary biology, and ecology. As we investigate key scientific discoveries of the modern era, we will also consider the philosophical and cultural impacts of those scientific discoveries. Thus, our reading will include not only original texts by scientists, but also key literary, historical and other texts inspired by those discoveries. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS484. US WATER POLITICS AND POLICY. 3.0 Semester Hrs.

(I) (WI) This interdisciplinary seminar course engages the complexities of contemporary water governance in the United States, with an emphasis on the arid American West, including the state of Colorado. It engages with governance questions such as how we are to share over-allocated water resources, how we are to engage with increasingly unpredictable hydrologic dynamics, and how changes in water science, engineering, and values shape policy and politics and vice versa. The course engages with concepts in ethics, economics, history, law, and policy, and puts them in conversation with dynamics in hydrology, engineering, and social-ecological systems theory. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS485. CONSTITUTIONAL LAW AND POLITICS. 3.0 Semester Hrs.

Equivalent with LAIS485,

This course presents a comprehensive survey of the U.S. Constitution with special attention devoted to the first ten Amendments, also known as the Bill of Rights. Since the Constitution is primarily a legal document, the class will adopt a legal approach to constitutional interpretation. However, as the historical and political context of constitutional interpretation is inseparable from the legal analysis, these areas will also be covered. Significant current developments in constitutional jurisprudence will also be examined. The first part of the course deals with Articles I through III of the Constitution, which specify the division of national governmental power among the executive, legislative, and judicial branches of government. Additionally, the federal nature of the American governmental system, in which governmental authority is apportioned between the national government and the state governments, will be studied. The second part of the course examines the individual rights specifically protected by the amendments to the Constitution, principally the First, Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendments. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS486. SCIENCE AND TECHNOLOGY POLICY. 3.0 Semester Hrs.

Equivalent with LAIS486,

An examination of current issues relating to science and technology policy in the United States and, as appropriate, in other countries. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS487. ENVIRONMENTAL POLITICS AND POLICY. 3.0 Semester Hrs.

Equivalent with LAIS487,

Seminar on environmental policies and the political and governmental processes that produce them. Group discussion and independent research on specific environmental issues. Primary but not exclusive focus on the U.S. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS488. GLOBAL WATER POLITICS AND POLICY. 3.0 Semester Hrs.

Equivalent with LAIS488,

(II) (WI) This interdisciplinary seminar course analyzes how droughts, floods, water management, global trading system, and climate change affect the hydrological and food systems that are critically important for economic prosperity and political stability. It addresses water policy at scales that range from community level to global governance regimes. It uses relevant analytical perspectives of, for example, psychology, political economy, development studies, and institutional approaches in economic geography to help students understand how certain transboundary water conflicts have emerged, their national and regional implications, and policies and institutions that can be used to resolve them. Prerequisite: HASS100. Corequisite: HASS200. 3 hours seminar; 3 semester hours.

HASS490. ENERGY AND SOCIETY. 3.0 Semester Hrs.

Equivalent with ENGY490, LAIS490, MNGN490,

(I,II) An interdisciplinary capstone seminar that explores a spectrum of approaches to the understanding, planning, and implementation of energy production and use, including those typical of diverse private and public (national and international) corporations, organizations, states, and agencies. Aspects of global energy policy that may be considered include the historical, social, cultural, economic, ethical, political, and environmental aspects of energy together with comparative methodologies and assessments of diverse forms of energy development as these affect particular communities and societies. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS491. ENERGY POLITICS. 3.0 Semester Hrs.

(I, II, S) (WI) We will use political science approaches, theories, and methods to investigate the global, regional, state, and local politics of renewable and non-renewable energy, spanning all uses: transportation, heating and cooling, and electricity. We will look at the politics behind energy in a subset of countries to be chosen by the class, such as China, Brazil, India, Austria, Spain, Venezuela, and Germany. We will then focus on energy in Colorado and other US states, conducting primary research on the stakeholders and the relevant political outcomes. We will hear from energy companies, non-governmental organizations, university and research entities, government representatives, legislators, and local activists. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS492. ENERGY AND SECURITY POLICY. 3.0 Semester Hrs.

(I, II, S) (WI) This course applies a social science lens to understanding the intersections between national and international security concerns and energy. We will examine these intersections through a case study approach that includes directed readings, such as books and peer-reviewed journal articles, that incorporate student-led discussions and research projects. By exploring various energy security scenarios, such as restricted access to oil and gas, students will gain a comprehensive understanding of the energy-security nexus and the role governments and policies play in enhancing or limiting security. Prerequisite: HASS100. Corequisite: HASS200. 3 hours lecture; 3 semester hours.

HASS498. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: HASS100. Corequisite: HASS200. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

HASS499. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

HNRS105. INNOVATION AND DISCOVERY IN ENGINEERING, ARTS, AND SCIENCES I. 3.5 Semester Hrs.

(I) (WI) "Innovation and Discovery in Engineering, Arts, and Sciences" (IDEAS) applies honors pedagogies in a multidisciplinary, integrated environment that highlights the seamless boundaries between science and engineering, design, ethics, and the arts as a path toward making value-informed technical decisions. In addition to developing foundational skills in engineering design and problem-solving, students examine place, identity, citizenship, and community in various contexts as they learn what it means to be an engaged and mindful citizen and professional. IDEAS poses ethical problems and hands-on design challenges from a multitude of lenses. It incorporates experiential learning, team-based projects, and seminar discussions to encourage students to think both critically and creatively about their world. Students must pass both HNRS105 and HNRS 115 to meet degree requirements. If students drop either of these courses, they must take both LAIS100 and EPIC151 or their equivalents in order to graduate. 3 hours lecture; 1.5 hours lab; 3.5 semester hours.

HNRS115. INNOVATION AND DISCOVERY IN ENGINEERING, ARTS, AND SCIENCES II. 3.5 Semester Hrs.

(II) (WI) "Innovation and Discovery in Engineering, Arts, and Sciences" (IDEAS) applies honors pedagogies in a multidisciplinary, integrated environment that highlights the seamless boundaries between science and engineering, design, ethics, and the arts as a path toward making value-informed technical decisions. Students examine place, identity, citizenship, and community in various contexts as they learn what it means to be an engaged and mindful citizen and professional. IDEAS poses ethical problems and hands-on design challenges from a multitude of lenses. It incorporates experiential learning, team-based projects, and seminar discussions to encourage students to think both critically and creatively about their world. Students must pass both HNRS105 and HNRS115 to meet degree requirements. If students drop either of these courses, they must take both LAIS100 and EPIC151 or their equivalents in order to graduate. Prerequisites: HNRS105. 3 hours lecture; 1.5 hours lab; 3.5 semester hours.

HNRS198. SPECIAL TOPICS. 6.0 Semester Hrs.

A Special Topics course will be a pilot course in the McBride curriculum or will be offered as an enhancement to regularly-scheduled McBride seminars. Special Topics courses in the McBride curriculum will not be offered more than twice. Variable credit: 1 - 6 semester hours. Repeatable for credit under different titles.

HNRS199. INDEPENDENT STUDY. 1-6 Semester Hr.

Under special circumstances, a McBride student may use this course number to register for an independent study project which substitutes for or enhances the regularly-scheduled McBride curriculum seminars. Variable credit: 1 - 6 semester hours. Repeatable for credit.

HNRS298. SPECIAL TOPICS. 1-6 Semester Hr.

A Special Topics course will be a pilot course in the McBride curriculum or will be offered as an enhancement to regularly-scheduled McBride seminars. Special Topics courses in the McBride curriculum will not be offered more than twice. Variable credit: 1 - 6 semester hours. Repeatable for credit under different titles.

HNRS299. INDEPENDENT STUDY. 1-6 Semester Hr.

Under special circumstances, a McBride student may use this course number to register for an independent study project which substitutes for or enhances the regularly-scheduled McBride curriculum seminars. Variable credit: 1 - 6 semester hours. Repeatable for credit.

HNRS305. EXPLORATIONS IN MODERN AMERICA. 3.0 Semester Hrs.

(I, II) (WI) Honors core course that develops student skills in reading, writing, critical thinking, and oral communication. skills through the exploration of selected topics related to the social, cultural, and political ideas and events that have shaped the development of the modern United States and its role in the world. Prerequisite: Admission to the Program and HASS100. 3 lecture hours, 3 credit hours.

HNRS315. EXPLORATIONS IN THE MODERN WORLD. 3.0 Semester Hrs.

(I, II) (WI) Honors core course that develops student writing skills and critical thinking abilities through the exploration of selected topics related to the social, cultural, and political ideas and developments that have shaped the modern world. Prerequisite: Admission to the Program and HASS100. 3 lecture hours, 3 credit hours.

HNRS398. SPECIAL TOPICS IN THE MCBRIDE HONORS PROGRAM IN PUBLIC AFFAIRS. 1-6 Semester Hr.

A Special Topics course will be a pilot course in the McBride curriculum or will be offered as an enhancement to regularly-scheduled McBride seminars. Special Topics courses in the McBride curriculum will not be offered more than twice. Variable credit: 1 - 6 semester hours. Repeatable for credit under different titles.

HNRS399. INDEPENDENT STUDY. 1-6 Semester Hr.

Under special circumstances, a McBride student may use this course number to register for an independent study project which substitutes for or enhances the regularly-scheduled McBride curriculum seminars. Variable credit: 1 - 6 semester hours. Repeatable for credit.

HNRS405. MCBRIDE PRACTICUM. 1-3 Semester Hr.

(I, II) (WI) With approval of the Program, a McBride student may enroll in an individualized study project which substitutes for or enhances the regularly-scheduled McBride curriculum seminars. This option may be used to pursue an approved foreign study program, service learning program, international internship, undergraduate research project, or other authorized experiential learning program of study. Students must also prepare a faculty-guided major research paper that integrates the experience with the goals, objectives, and focus of the Honors Program in Public Affairs. 1-3 semester hours. Repeatable up to 6 hours.

HNRS425. EXPLORATIONS IN POLITICS, POLICY, AND LEADERSHIP. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to policy, politics, and/or leadership through case studies, readings, research, and writing. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in The Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS430. EXPLORATIONS IN IDEAS, ETHICS, AND RELIGION. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to ideas, ethics, and/or religion through case studies, readings, research, and writing. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in the Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS435. EXPLORATIONS IN CULTURE, SOCIETY, AND CREATIVE ARTS. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to culture, society, and/or the creative arts through case studies, readings, research, and writing. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in the Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS440. EXPLORATIONS IN INTERNATIONAL STUDIES & GLOBAL AFFAIRS. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to international studies and/or global affairs through case studies, readings, research, and writing. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in the Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS445. EXPLORATIONS IN SCIENCE, TECHNOLOGY, AND SOCIETY. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to the relationships between science, technology, and society through case studies, readings, research, and writing. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in the Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS450. EXPLORATIONS IN EARTH, ENERGY, AND ENVIRONMENT. 3.0 Semester Hrs.

(I, II) (WI) Study of selected topics related to earth, energy, and/or the environment through case studies, readings, research, and writing. This course may focus on the human dimensions or broader impacts of science, technology, engineering, or mathematics. Prerequisites: HNRS305: Explorations in Modern America and HNRS315: Explorations in the Modern World. Repeatable for credit up to a maximum of 6 hours. 3 lecture hours, 3 credit hours.

HNRS476. COMMUNITY ENGAGEMENT THROUGH SERVICE LEARNING. 3.0 Semester Hrs.

(II) Community Engagement through Service Learning combines a traditional classroom environment with an off campus learning experience with a local non-profit or community organization. Students spend 3-4 hours per week serving the organization they choose and meet in class once per week to discuss reading assignments, present research findings, and share experiences and insights about the course material. Instructors may choose to focus on a particular topic or social issue, such as poverty and privilege, or may engage with community issues more broadly. The course focuses on several aspects of a student's learning, including intra- and interpersonal learning, discovering community, and developing communication skills and critical and interdisciplinary approaches. Course work will focus on critical reading, group discussion and deliberation, oral presentations of research, and writing assignments. Prerequisites: none. 2 hours lecture; 3-4 hours lab; 3.0 semester hours.

HNRS498. SPECIAL TOPICS IN THE MCBRIDE HONORS PROGRAM IN PUBLIC AFFAIRS. 1-6 Semester Hr.

A Special Topics course will be a pilot course in the McBride curriculum or will be offered as an enhancement to regularly-scheduled McBride seminars. Special Topics courses in the McBride curriculum will not be offered more than twice. Variable credit: 1 - 6 semester hours. Repeatable for credit under different titles.

HNRS499. INDEPENDENT STUDY. 1-6 Semester Hr.

Under special circumstances, a McBride student may use this course number to register for an independent study project which substitutes for or enhances the regularly-scheduled McBride curriculum seminars. Variable credit: 1 - 6 semester hours. Repeatable for credit.

LICM198. SPECIAL TOPICS. 0.5-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LICM298. SPECIAL TOPICS. 0.5-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIFL113. SPANISH I. 3.0 Semester Hrs.

Fundamentals of spoken and written Spanish with an emphasis on vocabulary, idiomatic expressions of daily conversation, and Spanish American culture. 3 semester hours.

LIFL114. ARABIC I. 3.0 Semester Hrs.

Fundamentals of spoken and written Arabic with an emphasis on vocabulary, idiomatic expressions of daily conversation, and culture of Arabic-speaking societies. 3 semester hours.

LIFL115. GERMAN I. 3.0 Semester Hrs.

Fundamentals of spoken and written German with an emphasis on vocabulary, idiomatic expressions of daily conversation, and German culture. 3 semester hours.

LIFL119. FRENCH I. 3.0 Semester Hrs.

(I) French I provides basic instruction in speaking, reading, listening, and writing the French language, with emphasis in class on communicating through speaking and listening skills. French and francophone culture will also be studied. Successful completion of French I will allow students to further their french studies in level 2. 3 hours lecture, 3 semester hours.

LIFL123. SPANISH II. 3.0 Semester Hrs.

Continuation of Spanish I with an emphasis on acquiring conversational skills as well as further study of grammar, vocabulary, and Spanish American culture. 3 semester hours.

LIFL124. ARABIC II. 3.0 Semester Hrs.

Continuation of Arabic I with an emphasis on acquiring conversational skills as well as further study of grammar, vocabulary, and culture of Arabic speaking societies. 3 semester hours.

LIFL125. GERMAN II. 3.0 Semester Hrs.

Continuation of German I with an emphasis on acquiring conversational skills as well as further study of grammar, vocabulary, and German culture. 3 semester hours.

LIFL129. FRENCH II. 3.0 Semester Hrs.

(II) French 2 provides continued instruction in speaking, reading, listening, and writing the French language, with emphasis in class on communicating through speaking and listening skills. French and francophone culture will also be studied. Prerequisites: LIFL119. 3 hours lecture.

LIFL198. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIFL199. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIFL213. SPANISH III. 3.0 Semester Hrs.

Emphasis on furthering conversational skills and a continuing study of grammar, vocabulary, and Spanish American culture. 3 semester hours.

LIFL298. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIFL299. INDEPENDENT STUDY. 6.0 Semester Hrs.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIFL398. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIFL399. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIFL498. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIFL499. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIMU101. CONCERT/MARCH BAND-FRESHMAN. 1.0 Semester Hr.

Study, rehearsal, and performance of concert, marching and stage repertory. Emphasis on fundamentals of rhythm, intonation, embouchure, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU102. SCHOOL OF MINES SYMPHONY ORCHESTRA - FRESHMAN. 1.0 Semester Hr.

(I, II, S) The Colorado School of Mines Symphony Orchestra is a full orchestra including strings, woodwinds, brass, and percussion. The orchestra studies a wide range of repertoire including standard orchestral works in addition to popular selections, film soundtracks, and chamber ensemble pieces. Performances include formal concerts, silent film soundtrack productions, and chamber music recitals; while performance frequency varies by semester, there are typically one to two large-ensemble performances per semester and one to three chamber performances per semester. Grading is based on individual participation and preparation. Offered every other year. 3 hours lab; 1 semester hour.

LIMU111. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU112. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU121. GUITAR ENSEMBLE. 1.0 Semester Hr.

(I, II, S) Students will learn the basics of classical guitar playing in a non-threatening environment. Utilizing beginning to intermediate classical guitar tunes, students will advance the fundamental guitar technique as well as the music reading skill on classical guitar. Reading skill is the foundation of students' future engagement with all forms of music, therefore considerable amount of class resources will be devoted to this particular discipline. Participation in the departmental concert at the end of the semester is mandatory. Offered every other year. 3 hours lab; 1 semester hour.

LIMU189. INDIVIDUAL INSTRUMENTAL OR VOCAL MUSIC INSTRUCTION. 1.0 Semester Hr.

(I, II) The course affords the student an opportunity to study privately with CSM music faculty on a wide range of instruments including guitar, piano, bass guitar, voice, saxophone, flute, drums and world instruments. Students will be required to practice regularly and demonstrate proficiency on their instrument/voice. Topics of this class will include performance etiquette, musicianship, musical styles, stylistic vocabulary, foreign language and basic music theory. 1 credit hour.

LIMU198. SPECIAL TOPICS. 6.0 Semester Hrs.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIMU199. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIMU201. CONCERT/MARCH BAND-SOPHOMORE. 1.0 Semester Hr.

Study, rehearsal, and performance of concert, marching and stage repertory. Emphasis on fundamentals of rhythm, intonation, embouchure, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU202. COLORADO SCHOOL OF MINES SYMPHONY ORCHESTRA - SOPHOMORE. 1.0 Semester Hr.

(II) The Colorado School of Mines Symphony Orchestra is a full orchestra including strings, woodwinds, brass, and percussion. The orchestra studies a wide range of repertoire including standard orchestral works in addition to popular selections, film soundtracks, and chamber ensemble pieces. Performances include formal concerts, silent film soundtrack productions, and chamber music recitals; while performance frequency varies by semester, there are typically one to two large-ensemble performances per semester and one to three chamber performances per semester. Grading is based on individual participation and preparation. Offered every other year. 3 hours lab; 1 semester hour.

LIMU211. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU212. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU298. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIMU299. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIMU301. CONCERT/MARCH BAND-JUNIOR. 1.0 Semester Hr.

Study, rehearsal, and performance of concert, marching and stage repertory. Emphasis on fundamentals of rhythm, intonation, embouchure, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU302. COLORADO SCHOOL OF MINES SYMPHONY ORCHESTRA - JUNIOR. 1.0 Semester Hr.

(II) The Colorado School of Mines Symphony Orchestra is a full orchestra including strings, woodwinds, brass, and percussion. The orchestra studies a wide range of repertoire including standard orchestral works in addition to popular selections, film soundtracks, and chamber ensemble pieces. Performances include formal concerts, silent film soundtrack productions, and chamber music recitals; while performance frequency varies by semester, there are typically one to two large-ensemble performances per semester and one to three chamber performances per semester. Grading is based on individual participation and preparation. Offered every other year. 3 hours lab; 1 semester hour.

LIMU311. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU312. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU398. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIMU399. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.

LIMU401. CONCERT/MARCH BAND-JUNIOR. 1.0 Semester Hr.

(I) The Colorado School of Mines Symphony Orchestra is a full orchestra including strings, woodwinds, brass, and percussion. The orchestra studies a wide range of repertoire including standard orchestral works in addition to popular selections, film soundtracks, and chamber ensemble pieces. Performances include formal concerts, silent film soundtrack productions, and chamber music recitals; while performance frequency varies by semester, there are typically one to two large-ensemble performances per semester and one to three chamber performances per semester. Grading is based on individual participation and preparation. 3 hours lab; 1 semester hour.

LIMU402. COLORADO SCHOOL OF MINES SYMPHONY ORCHESTRA - SENIOR. 1.0 Semester Hr.

(II) The Colorado School of Mines Symphony Orchestra is a full orchestra including strings, woodwinds, brass, and percussion. The orchestra studies a wide range of repertoire including standard orchestral works in addition to popular selections, film soundtracks, and chamber ensemble pieces. Performances include formal concerts, silent film soundtrack productions, and chamber music recitals; while performance frequency varies by semester, there are typically one to two large-ensemble performances per semester and one to three chamber performances per semester. Grading is based on individual participation and preparation. Offered every other year. 3 hours lab; 1 semester hour.

LIMU411. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU412. CHORUS. 1.0 Semester Hr.

Study, rehearsal, and performance of choral music of the classical, romantic, and modern periods with special emphasis on principles of diction, rhythm, intonation, phrasing, and ensemble. 2 hours rehearsal; 1 semester hour. Not repeatable using same course number. See rules limiting the number of hours applicable to a degree above.

LIMU421. JAZZ ENSEMBLE. 1.0 Semester Hr.

FALL The Jazz Ensemble provides an opportunity for students to participate in a musical ensemble in the jazz big band format. Jazz music is a unique American art form. The big band jazz format is an exciting way for students to experience the power, grace and beauty of this art form and music in general. The class will consist of regular weekly rehearsals and one or more concert performance (s). 1 semester hour. Repeatable for credit. See rules limiting the number of hours applicable to a degree above.

LIMU422. JAZZ ENSEMBLE/PEP BAND - SPRING. 1.0 Semester Hr.

SPRING The Jazz Ensemble provides an opportunity for students to participate in a musical ensemble in the jazz big band format. Jazz music is a unique American art form. The big band jazz format is an exciting way for students to experience the power, grace and beauty of this art form and music in general. The class will consist of regular weekly rehearsals and one or more concert performance(s). 1 semester hour. Repeatable for credit. See rules limiting the number of hours applicable to a degree above.

LIMU423. JAZZ LAB. 1.0 Semester Hr.

The Jazz Lab provides an opportunity for students to participate in a musical ensemble in the jazz combo format. Jazz music is a unique American art form. The jazz combo format is an exciting way for students to experience the joy and sense of achievement of performing this great American music form. The class will consist of regular weekly rehearsals and one or more concert performance(s). 1 semester hour. Repeatable for credit. See rules limiting the number of hours applicable to a degree above.

LIMU450. MUSIC TECHNOLOGY CAPSTONE COURSE. 3.0 Semester Hrs.

Project-based course designed to develop practical technological and communication skills for direct application to the music recording. Prerequisite: LIMU340 and LIMU350. 3 hours seminar; 3 semester hours.

LIMU498. SPECIAL TOPICS. 1-6 Semester Hr.

(I, II) Pilot course or special topics course. Topics chosen from special interests of instructor(s) and student(s). Usually the course is offered only once. Prerequisite: none. Variable credit; 1 to 6 credit hours. Repeatable for credit under different titles.

LIMU499. INDEPENDENT STUDY. 1-6 Semester Hr.

(I, II) Individual research or special problem projects supervised by a faculty member, also, when a student and instructor agree on a subject matter, content, and credit hours. Prerequisite: ?Independent Study? form must be completed and submitted to the Registrar. Variable credit; 1 to 6 credit hours. Repeatable for credit.