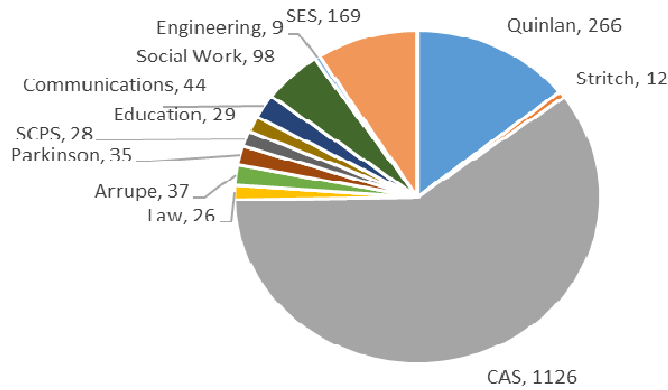


Description: Working with the Loyola Registrar's Office we received all course sections from five different academic terms (n=12,106). We removed any courses that fall within the following categories (Remedial, Internship, Capstone, Independent, Ind., Clinical, Performance, Dissertation, Thesis, Practicum, Clin, Foreign Study, Doctoral, Master's, Research, Extern Placement) following the STARS guidance. This left 9,528 courses to evaluate. Diverging from our previous process, we attempted to use the UN Sustainable Development Goals keywords to identify courses that addressed one or more of the SDGs using the statistics software package "R". While this was an interesting process it provided so many general responses as to be unjustifiable. We then attempted a more targeted approach to use the SDG full keyword list (n=952) and select terms that only met one of the triple-bottom line categories for sustainability (Economic, Environmental, Social; n=94, 151, 90). While this too gave us interesting information and spotlighted some courses that we were not aware of, it too was too general of an output. We returned to our course list from our faculty survey from 2017, applying it to our course sections and descriptions and manually selected courses from these three sources. As an additional step we provided these lists (alongside the full course offerings) to the Dean from each of Loyola's 13 Schools for their feedback. Unfortunately we only received response/confirmation from five of these Schools removing 35 courses and adding 12. These results as well as summaries and a full sustainability course inventory are listed below. A full listing of all course sections is also available upon request. sustainability@luc.edu

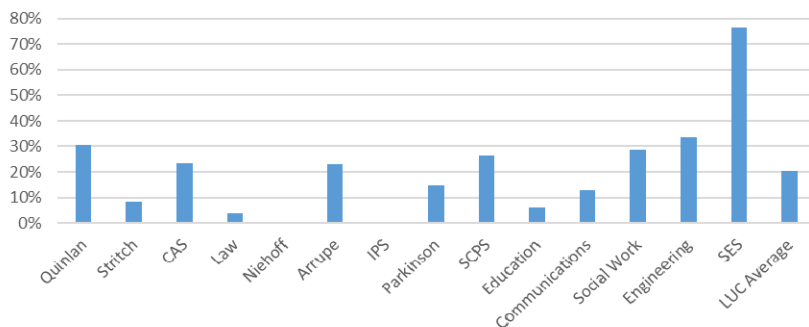
Sustainability Courses by School				
School	Focused	Related	Sustainability	Total Courses
Quinlan	36	230	266	873
Stritch		12	12	144
CAS	152	974	1126	4837
Law	8	18	26	712
Niehoff			0	682
Arrupe	16	21	37	161
IPS			0	88
Parkinson	3	32	35	241
SCPS	1	27	28	106
Education		29	29	464
Communication	6	38	44	343
Social Work		98	98	342
Engineering		9	9	27
SES	142	27	169	222
<b>LUC Average</b>	<b>364</b>	<b>1515</b>	<b>1879</b>	<b>9242</b>

School	Focused	Related	Sustainability	Total Courses	Percent
Quinlan	36	230	266	873	30%
Stritch		12	12	144	8%
CAS	152	974	1126	4837	23%
Law	8	18	26	712	4%
Niehoff			0	682	0%
Arrupe	16	21	37	161	23%
IPS			0	88	0%
Parkinson	3	32	35	241	15%
SCPS	1	27	28	106	26%
Education		29	29	464	6%
Communication	6	38	44	343	13%
Social Work		98	98	342	29%
Engineering		9	9	27	33%
SES	142	27	169	222	76%
<b>LUC Average</b>	<b>364</b>	<b>1515</b>	<b>1879</b>	<b>9242</b>	<b>20%</b>

Sustainability Courses by School



Percent of all Courses that are Sustainability-Related or - Focused



						Sust Category (SR= Related, SF = Focused)	
COURSE_ID	ACADEMI C_GROUP	ACADEMIC_ORG	CATALOG_NUMB ER	GRAD/ UG		COURSE_TITLE	COURSE_DESCRIPTION
12994	ARR	ACISC	101	UG	SF	Sci Basis Environment Issues	The foundational course in science is predicated on the view that understanding environmental issues and their underlying scientific principles will occupy a central role in our students' lives and will be critical in their development as informed and participating members of society. The overarching strategy of the course will be to frame environmental science in terms of a series of interacting systems to allow students to analyze a variety of environmental issues. Outcomes: 1) Exhibit knowledge of the nature of the four Earth systems 2) Draw inferences from evidence, constructing testable and falsifiable hypotheses and analyzing data.3) Understand the role of energy and thermodynamics in ecosystems; 4) Understand and describe important cycles in nature IAI Code: LP 900
12994	ARR	ACISC	101	UG	SF	Sci Basis Environment Issues	The foundational course in science is predicated on the view that understanding environmental issues and their underlying scientific principles will occupy a central role in our students' lives and will be critical in their development as informed and participating members of society. The overarching strategy of the course will be to frame environmental science in terms of a series of interacting systems to allow students to analyze a variety of environmental issues. Outcomes: 1) Exhibit knowledge of the nature of the four Earth systems 2) Draw inferences from evidence, constructing testable and falsifiable hypotheses and analyzing data.3) Understand the role of energy and thermodynamics in ecosystems; 4) Understand and describe important cycles in nature IAI Code: LP 900

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12995	ARR	ACISC	102	UG	SF	Environment Process & Methods	This course examines scientific issues underlying a series of significant threats to the planet. These include the loss of biodiversity, ensuring access to a stable supply of food and water for all of the Earth's inhabitants, climate change, and the demands for energy and other resources. Students will also investigate possible responses to these planetary threats. Outcomes: Students will understand the nature of contemporary environmental challenges, both as scientific and social problems. IAI Code: LP 901L
12995	ARR	ACISC	102	UG	SF	Environment Process & Methods	This course examines scientific issues underlying a series of significant threats to the planet. These include the loss of biodiversity, ensuring access to a stable supply of food and water for all of the Earth's inhabitants, climate change, and the demands for energy and other resources. Students will also investigate possible responses to these planetary threats. Outcomes: Students will understand the nature of contemporary environmental challenges, both as scientific and social problems. IAI Code: LP 901L

12995	ARR	ACISC	102	UG	SF	Environment Process & Methods	<p>This course examines scientific issues underlying a series of significant threats to the planet. These include the loss of biodiversity, ensuring access to a stable supply of food and water for all of the Earth's inhabitants, climate change, and the demands for energy and other resources. Students will also investigate possible responses to these planetary threats.</p> <p>Outcomes: Students will understand the nature of contemporary environmental challenges, both as scientific and social problems. IAI Code: LP 901L</p>
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13455	ARR	ACFNA	100	UG	SR	Art and Visual Culture	<p>A survey of the visual arts (painting, drawing, printmaking, sculpture and architecture) as they transmit cultural traditions and humanistic and aesthetic values. Examines historical, social and technological factors that contribute to understanding the function and meaning of works of art. 1- Introduce students to an appreciation of the visual arts through an inter cultural, social/historical approach. 2- Emphasize the nature of the creative process, integrating a study of the conceptual principles, with methods and materials which influence artistic critical thinking, problem solving, exploration, and discovery. IAI Code: F2 900</p>

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12993	ARR	ACTHE	107	UG	SR	Intro to Religious Studies	This course is an introduction to the contemporary field of religious studies. Outcomes: Students will be able to analyze and interpret various ways in which religious traditions intersect with contemporary issues. IAI Code: H5 900
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12991	ARR	ACPHI	281	UG	SR	Ethics	This course is a general introduction to ethics and moral philosophy. Outcomes: Students will be able to demonstrate understanding of criteria for choosing between conflicting ethical theories, moral disagreement, the justification of moral judgments, and the application of ethical standards to practical decision-making and ethical questions that arise in everyday life. IAI Code: H4 904
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14247	ARR	ACPHI	284	UG	SR	Health Care Ethics & Society	A study of the role of ethics and moral reasoning in healthcare contexts. Emphasis is placed on identifying ethical issues that arise in a variety of contemporary healthcare settings, and in critically applying ethical theories and concepts to respond to health care and medical issues. Outcomes: Students will gain skills in ethical questioning, reasoning, and application, with an emphasis on the intersection of healthcare practice and broader social, political, and legal issues.
13559	ARR	ACFNA	112	UG	SR	Two Dimensional Design	This course explores the fundamental organizational systems of intentional visual expression through purposeful making of, and critical response to, traditional design concepts. The elements of art and the principles of design will be experienced through a range of media both tactile and digital, with emphasis on spatial perception, color theory, and visual communication. Students will recognize and experience the core concepts and practices of visual communication through hands-on exercises and projects addressing observation and perception, composition, transformation and manipulation of the picture plane, sequence and narrative, and the physical and communicative properties of pigment and color. Students will further engage these concepts through critical examination of images, texts, and objects representing a wide array of contemporary and historical visual culture. IAI Code: ART 907
13114	CAS	UAPP	412	GRAD	SF	Urban Politics and Policy	The course examines sources of power in the city and their impact on city policies, including the role of economic power, federalism, government structures, neighborhood groups, and voting. The focus is on any systematic bias in city policies and how likely that the bias could be overcome. Outcomes: Understand the major theories of urban politics and use them to analyze potential policy outcomes in cities.
1118	CAS	ANTH	100	UG	SF	Globalization & Local Cultures	This course is a study of cultural diversity on a global scale, and provides a comparative perspective on the investigation of humans as cultural and social beings. Outcome: Students will be able to demonstrate understanding of the historic and contemporary relationships between cultures and societies, and to understand how cultures change over time.

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1092	CAS	ANTH	101	UG	SF	Human Origins	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. This course explores the study of the biological history of the human species from its inception to the establishments of food producing societies. Outcome: Students will demonstrate understanding of basic biological principles (heredity, physiology, evolutionary mechanisms, ecology) in the context of their application to the human condition, as well as the role of cultural behavior in defining the distinctiveness of that condition.
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6425	CAS	SOCL	101	UG	SF	Society in a Global Age	This is a foundational course in the social sciences which explores the effect of globalization on everyday life in the United States and elsewhere, using the basic perspectives and methodologies of sociology.
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11191	CAS	WOST	101	UG	SF	Intro WSGS Globl Perspective	<p>This is an introduction to the interdisciplinary fields of both Women's Studies and Gender Studies which explore the ways that sex and gender manifest themselves in social, cultural, and political arenas. It draws upon scholarship in women's studies, masculinities studies, and queer studies which themselves draw upon a variety of intellectual perspectives, including historical, psychological, rhetorical, sociological, literary, and biological.</p> <p>Outcome: students will demonstrate understanding of historical developments, key concepts, theories and themes in women's studies and gender studies, the impact that gender can have on social, cultural, political and economic material conditions.</p>
11191	CAS	WOST	101	UG	SF	Intro WSGS Globl Perspective	<p>This is an introduction to the interdisciplinary fields of both Women's Studies and Gender Studies which explore the ways that sex and gender manifest themselves in social, cultural, and political arenas. It draws upon scholarship in women's studies, masculinities studies, and queer studies which themselves draw upon a variety of intellectual perspectives, including historical, psychological, rhetorical, sociological, literary, and biological.</p> <p>Outcome: students will demonstrate understanding of historical developments, key concepts, theories and themes in women's studies and gender studies, the impact that gender can have on social, cultural, political and economic material conditions.</p>
11191	CAS	WOST	101	UG	SF	Intro WSGS Globl Perspective	<p>This is an introduction to the interdisciplinary fields of both Women's Studies and Gender Studies which explore the ways that sex and gender manifest themselves in social, cultural, and political arenas. It draws upon scholarship in women's studies, masculinities studies, and queer studies which themselves draw upon a variety of intellectual perspectives, including historical, psychological, rhetorical, sociological, literary, and biological.</p> <p>Outcome: students will demonstrate understanding of historical developments, key concepts, theories and themes in women's studies and gender studies, the impact that gender can have on social, cultural, political and economic material conditions.</p>

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11191	CAS	WOST	101	UG	SF	Intro WSGS Globl Perspective	<p>This is an introduction to the interdisciplinary fields of both Women's Studies and Gender Studies which explore the ways that sex and gender manifest themselves in social, cultural, and political arenas. It draws upon scholarship in women's studies, masculinities studies, and queer studies which themselves draw upon a variety of intellectual perspectives, including historical, psychological, rhetorical, sociological, literary, and biological.</p> <p>Outcome: students will demonstrate understanding of historical developments, key concepts, theories and themes in women's studies and gender studies, the impact that gender can have on social, cultural, political and economic material conditions.</p>
1093	CAS	ANTH	102	UG	SF	Cultr, Society, Diversity	<p>Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course addresses how multiple factors (beliefs, rituals, social structure, economic structure, political structure) integrate to define culture in the broad sense and how and why they vary among individual cultures (societies).</p> <p>Outcome: Students will be able to demonstrate the skills and knowledge necessary to investigate the importance of culture and its variation.</p>

1093	CAS	ANTH	102	UG	SF	Cultr, Society, Diversity	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course addresses how multiple factors (beliefs, rituals, social structure, economic structure, political structure) integrate to define culture in the broad sense and how and why they vary among individual cultures (societies). Outcome: Students will be able to demonstrate the skills and knowledge necessary to investigate the importance of culture and its variation.
1093	CAS	ANTH	102	UG	SF	Cultr, Society, Diversity	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course addresses how multiple factors (beliefs, rituals, social structure, economic structure, political structure) integrate to define culture in the broad sense and how and why they vary among individual cultures (societies). Outcome: Students will be able to demonstrate the skills and knowledge necessary to investigate the importance of culture and its variation.
1093	CAS	ANTH	102	UG	SF	Cultr, Society, Diversity	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course addresses how multiple factors (beliefs, rituals, social structure, economic structure, political structure) integrate to define culture in the broad sense and how and why they vary among individual cultures (societies). Outcome: Students will be able to demonstrate the skills and knowledge necessary to investigate the importance of culture and its variation.

1093	CAS	ANTH	102	UG	SF	Cultr, Society, Diversity	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course addresses how multiple factors (beliefs, rituals, social structure, economic structure, political structure) integrate to define culture in the broad sense and how and why they vary among individual cultures (societies). Outcome: Students will be able to demonstrate the skills and knowledge necessary to investigate the importance of culture and its variation.
1095	CAS	ANTH	104	UG	SF	The Human Eco Footprint	This course is an introduction to global human ecology and concentrates on how we as humans affect global ecosystems and how these changes can impact our behavior, health, economics, and politics. Outcome: Students will be able to draw connections between basic ecological processes and the global patterns of human population growth, health and disease, inequality and poverty, subsistence strategies, and land use and technology.
1095	CAS	ANTH	104	UG	SF	The Human Eco Footprint	This course is an introduction to global human ecology and concentrates on how we as humans affect global ecosystems and how these changes can impact our behavior, health, economics, and politics. Outcome: Students will be able to draw connections between basic ecological processes and the global patterns of human population growth, health and disease, inequality and poverty, subsistence strategies, and land use and technology.

1096	CAS	ANTH	105	UG	SF	Human Biocultural Diversity	Enrollment Requirement for students admitted to Loyola University for Fall 2012 or later: UCSF 137. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. This course examines the history of the concept of the biological race, the emergence of scientific racism, and modern human interpopulational biological diversity from an evolutionary perspective. Outcome: Students will recognize that modern humans are the product of ongoing biological evolution and that humans have, and are adapted to, a primary ecological niche which may render us maladapted to our modern life.
1096	CAS	ANTH	105	UG	SF	Human Biocultural Diversity	Enrollment Requirement for students admitted to Loyola University for Fall 2012 or later: UCSF 137. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. This course examines the history of the concept of the biological race, the emergence of scientific racism, and modern human interpopulational biological diversity from an evolutionary perspective. Outcome: Students will recognize that modern humans are the product of ongoing biological evolution and that humans have, and are adapted to, a primary ecological niche which may render us maladapted to our modern life.
6426	CAS	SOCL	121	UG	SF	Social Problems	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course is an opportunity to examine major issues facing society. In addition to analyzing the roots of social problems, the course addresses social policy concerns and explores solutions. Outcome: Students will be able to critically examine the impact of a social problem and its possible solutions, to integrate knowledge gleaned from a variety of disciplines, to find and utilize relevant data and research in defining issues and solutions, and to view social problems from macro and micro perspectives as a means of applying workable solutions for the issues facing society.

6426	CAS	SOCL	121	UG	SF	Social Problems	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course is an opportunity to examine major issues facing society. In addition to analyzing the roots of social problems, the course addresses social policy concerns and explores solutions. Outcome: Students will be able to critically examine the impact of a social problem and its possible solutions, to integrate knowledge gleaned from a variety of disciplines, to find and utilize relevant data and research in defining issues and solutions, and to view social problems from macro and micro perspectives as a means of applying workable solutions for the issues facing society.
6430	CAS	SOCL	125	UG	SF	Chicago: Urban Metropolis	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork. Outcome: Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region.
6430	CAS	SOCL	125	UG	SF	Chicago: Urban Metropolis	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork. Outcome: Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region.

6430	CAS	SOCL	125	UG	SF	Chicago: Urban Metropolis	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork. Outcome: Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region.
6430	CAS	SOCL	125	UG	SF	Chicago: Urban Metropolis	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork. Outcome: Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region.
12233	CAS	CORE	137	UG	SF	Sci. Basis Env. Issues	This is a foundational Tier I class; it is prerequisite to all Tier II science core classes. The foundational course in science is predicated on the view that understanding environmental issues and their underlying scientific principles will occupy a central role in our students' lives and will be critical in their development as informed and participating members of society. The overarching strategy of the course will be to frame environmental science in terms of a series of interacting systems to allow students to analyze a variety of environmental issues. Outcomes: 1) Exhibit knowledge of the nature of the four Earth systems 2) Draw inferences from evidence, constructing testable and falsifiable hypotheses and analyzing data.3) Understand the role of energy and thermodynamics in ecosystems; 4) Understand and describe important cycles in nature

13446	CAS	THEO	204	UG	SF	Relig Ethics and Eco Crisis	<p>The Dept. recommends that students take Theo 100 or 107 before taking 2nd tier Theology Core Advances in technology and industry confront us with unprecedented abilities for altering long standing climate patterns. These capacities challenge many traditional religious and ethical assumptions about humanity and our relationship to the nonhuman world. We will examine the resources that religious traditions of the world offer for promoting ecological responsibility. Outcomes: students will be able to: *Summarize relevant history related to scientific, policy &amp; political data and decisions *Describe central scientific and ethical challenges posed by the climate crisis *Relate key ideas, traditions, &amp; practices in Christian theological, philosophical, and other religious thought that may help address this crisis</p>
13446	CAS	THEO	204	UG	SF	Relig Ethics and Eco Crisis	<p>The Dept. recommends that students take Theo 100 or 107 before taking 2nd tier Theology Core Advances in technology and industry confront us with unprecedented abilities for altering long standing climate patterns. These capacities challenge many traditional religious and ethical assumptions about humanity and our relationship to the nonhuman world. We will examine the resources that religious traditions of the world offer for promoting ecological responsibility. Outcomes: students will be able to: *Summarize relevant history related to scientific, policy &amp; political data and decisions *Describe central scientific and ethical challenges posed by the climate crisis *Relate key ideas, traditions, &amp; practices in Christian theological, philosophical, and other religious thought that may help address this crisis</p>
6431	CAS	SOCL	226	UG	SF	Sci,Tech & Society	<p>This course serves as a broad introduction to the social study and analysis of science and technology in society. It examines how scientific knowledge and technologies are created and constructed and how they influence and are influenced by society. Outcome: Students will be able to understand how scientific knowledge and technologies are developed in particular historical and cultural contexts and analyze their impact on our daily lives.</p>

6446	CAS	SOCL	234	UG	SF	City, Suburbs & Beyond	Study of the historical emergence of cities, focusing on the ecological, demographic, and organizational processes involved in the continuing growth and change of metropolitan areas and in the relationship of a metropolitan area to the surrounding region. Outcome: Students will understand fundamental facts and theories about the character and development of cities and urban regions.
6446	CAS	SOCL	234	UG	SF	City, Suburbs & Beyond	Study of the historical emergence of cities, focusing on the ecological, demographic, and organizational processes involved in the continuing growth and change of metropolitan areas and in the relationship of a metropolitan area to the surrounding region. Outcome: Students will understand fundamental facts and theories about the character and development of cities and urban regions.
10448	CAS	SOCL	247	UG	SF	Sociology of Culture	This course examines the social production, consumption, and use of culture and cultural objects, especially in the fields of literature, art, music, mass media and religion. Outcome: Students will learn sociological methods of analyzing culture and cultural objects, and will understand the social organization of cultural production and consumption.
10447	CAS	SOCL	252	UG	SF	Global Inequalities	This course examines inequality on a global scale, focusing on the impact of globalization processes on race, class and gender inequalities here and abroad. Outcome: Students will analyze how race, class and gender inequalities influence each other across national boundaries, and will recognize global causes and consequences of inequality.

10447	CAS	SOCL	252	UG	SF	Global Inequalities	This course examines inequality on a global scale, focusing on the impact of globalization processes on race, class and gender inequalities here and abroad. Outcome: Students will analyze how race, class and gender inequalities influence each other across national boundaries, and will recognize global causes and consequences of inequality.
6459	CAS	SOCL	272	UG	SF	Environmental Sociology	This course examines the distinctively social aspect of the relationship of people to their environments, both built and natural. Outcome: Students will recognize the role that both social and physical factors play in the environmental problems facing the world. Students will also develop critical thinking skills needed to evaluate statements and policy proposal to improve environmental quality.
6459	CAS	SOCL	272	UG	SF	Environmental Sociology	This course examines the distinctively social aspect of the relationship of people to their environments, both built and natural. Outcome: Students will recognize the role that both social and physical factors play in the environmental problems facing the world. Students will also develop critical thinking skills needed to evaluate statements and policy proposal to improve environmental quality.
10820	CAS	SOCL	276	UG	SF	Sociology & Politics of Food	Explores the impact of globalized economic, political, and social relationships through the prism of food. Considers the cultural and ideological dimensions of food, the structure of food production and consumption, and responses to the global food system. Outcome: Students will gain awareness of themselves as consumers of food and food products.

10820	CAS	SOCL	276	UG	SF	Sociology & Politics of Food	Explores the impact of globalized economic, political, and social relationships through the prism of food. Considers the cultural and ideological dimensions of food, the structure of food production and consumption, and responses to the global food system. Outcome: Students will gain awareness of themselves as consumers of food and food products.
1119	CAS	ANTH	280	UG	SF	Evol of Human Disease	The complex interaction between humans and pathogens is explored throughout time, with particular emphasis on the role and impact of human biology, human culture and changing environments. Outcome: Students will be able to demonstrate understanding of the human immunological system, competing paradigms of human health, the processes and mechanisms of biological evolution, the pathogenesis of specific diseases, and the archaeological, paleopathological, paleodemographic, and historical data used to explore the evolution of disease.
6461	CAS	SOCL	280	UG	SF	Tpcs: Contemp Sociology	The course examines selected contemporary sociological issues. Topics addressed represent specialized or newly developing areas of sociological inquiry. Topics will vary from semester to semester. Outcome: Students gain insights into contemporary social issues and learn how to use the concepts, theory and methods of sociology to examine them.
6461	CAS	SOCL	280	UG	SF	Tpcs: Contemp Sociology	The course examines selected contemporary sociological issues. Topics addressed represent specialized or newly developing areas of sociological inquiry. Topics will vary from semester to semester. Outcome: Students gain insights into contemporary social issues and learn how to use the concepts, theory and methods of sociology to examine them.

6461	CAS	SOCL	280	UG	SF	Tpcs: Contemp Sociology	The course examines selected contemporary sociological issues. Topics addressed represent specialized or newly developing areas of sociological inquiry. Topics will vary from semester to semester. Outcome: Students gain insights into contemporary social issues and learn how to use the concepts, theory and methods of sociology to examine them.
9578	CAS	PHIL	287	UG	SF	Environmental Ethics	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course introduces students to ethical reasoning and to various topics in environmental ethics. Topics may include: pollution, animal rights, and natural resources. Outcomes: Students will demonstrate an understanding of diverse ethical theories and an ability to use philosophical reasoning to defend positions in topics covered.
9578	CAS	PHIL	287	UG	SF	Environmental Ethics	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course introduces students to ethical reasoning and to various topics in environmental ethics. Topics may include: pollution, animal rights, and natural resources. Outcomes: Students will demonstrate an understanding of diverse ethical theories and an ability to use philosophical reasoning to defend positions in topics covered.

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9578	CAS	PHIL	287	UG	SF	Environmental Ethics	<p>Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course introduces students to ethical reasoning and to various topics in environmental ethics. Topics may include: pollution, animal rights, and natural resources. Outcomes: Students will demonstrate an understanding of diverse ethical theories and an ability to use philosophical reasoning to defend positions in topics covered.</p>

2590	CAS	ENGL	288	UG	SF	Nature in Literature	Requirement: UCLR 100 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of English, Department of Classical Studies, or Department of Modern Languages and Literatures. This course focuses on the relationship of human beings and the environment in which they function, as represented in a variety of literary works. Outcome: students will be able to demonstrate understanding of the representations of "nature" in various periods of literary history and diverse cultural contexts.
2590	CAS	ENGL	288	UG	SF	Nature in Literature	Requirement: UCLR 100 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of English, Department of Classical Studies, or Department of Modern Languages and Literatures. This course focuses on the relationship of human beings and the environment in which they function, as represented in a variety of literary works. Outcome: students will be able to demonstrate understanding of the representations of "nature" in various periods of literary history and diverse cultural contexts.
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9581	CAS	PHIL	288	UG	SF	Culture and Civilization	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course examines the nature, causes, and possible future development of human culture and civilization. Outcome: Students will be able to demonstrate understanding of the various approaches to the philosophical study of human culture and civilization.

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14187	CAS	GLST	303	UG	SF	Technological Change & Society	This course explores how changes in technology affect society in four broad areas: its impact on how we communicate, on the workplace, on regulatory issues surrounding technology firms, and on humanity itself. Outcomes: Students will be able to demonstrate an understanding of the various relations between technology and society.

1121	CAS	ANTH	304	UG	SF	History of Anthro Thought	Focusing on the historical contexts in which anthropological theory developed, this course addresses relationships between historical circumstances and leading theorists, and the questions they asked. Prerequisite: ANTH 100 or 102. Outcome: Students will be able to demonstrate an understanding of Victorian evolutionism; the American historical school; cultural materialism; symbolic and interpretive anthropology; structuralism; functionalism; feminist anthropology; political economy; and post modernism.
14189	CAS	GLST	304	UG	SF	Global Civ Soc & Soc Movements	This course focuses on global civil society groups (both advocacy groups or apolitical) and on social movements that seek to fight injustices. We discuss a variety of examples of civil society projects ranging from monitoring government corruption and promoting micro-credit to organizing transnational protest campaigns. Outcomes: Students will demonstrate a comprehension of the dynamics of global civil society and social movements, both for cases discussed in class and to material from outside class.
14188	CAS	GLST	305	UG	SF	Globaliz & Env Sustainability	This course introduces students to social, political and economic factors that have contributed to globalization, development and their impact on the environment. It provides students with the background and conceptual tools to understand global environmental challenges and questions. Outcomes: Students will develop a fundamental knowledge of the study of global development and environmental challenges and develop analytical skills to assess the tradeoffs involved in economic development and environmental sustainability.
5993	CAS	PLSC	335	UG	SF	Urban Semester Seminar	See course description for SOCL 335. Outcome: See outcome for SOCL 335.
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6010	CAS	PLSC	354	UG	SF	Global Environmental Pol	(ESP 354) (INTS 354) (PAX 354) Examines the linkages between the world's natural environment and the global political system. Outcome: Students will be able to demonstrate an understanding of the role of various private, national and international actors in the formulation, adoption and implementation of environmental public policies.
6010	CAS	PLSC	354	UG	SF	Global Environmental Pol	(ESP 354) (INTS 354) (PAX 354) Examines the linkages between the world's natural environment and the global political system. Outcome: Students will be able to demonstrate an understanding of the role of various private, national and international actors in the formulation, adoption and implementation of environmental public policies.
5743	CAS	PHIL	369	UG	SF	Philosophy of Medicine	Prerequisite: Students must have taken at least two philosophy courses. This course investigates philosophical questions concerning the practice of medicine, such as the epistemology of medicine, the nature of health and disease, what is a profession, and the nature of suffering. Outcome: The student will develop a critical understanding of the practice of medicine from a philosophical point of view.
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3624	CAS	HIST	385	UG	SF	Chicago in America	This course surveys the history of Chicago from its origins to the present, using the city as a case study of American urbanization. Outcome: Students will be able to demonstrate historical knowledge of Chicago's environmental, economic, social, cultural, and political history, to draw links between race relations and urban change, and to develop critical thinking and communication skills.
4268	CAS	MDLG	390	UG	SF	Culture & Civilization	This course taught in Italian studies the Italy that has emerged since the World War II. examines contemporary Italian culture and society and the problems Italy faces through study of a variety written texts (literary, historical, journalistic) and media. Outcome: Students will demonstrate knowledge of Italian society as it has been transformed over the past 60 years and will be able to under the role of representative political and cultural figures and forces in promoting change.

6045	CAS	PLSC	390	UG	SF	Urban Politics	Political processes in cities and other local governments, Examination of mayors, city councils, bureaucrats, and their interaction with local citizens and interest groups. Outcome: Students will be able to demonstrate an understanding of urban governments, the patterns of political participation and behavior of diverse individuals and groups in urban politics, and evaluate the roles and processes of urban political institutions.
6047	CAS	PLSC	392	UG	SF	Environmental Politics	The issues, significant actors, and public policies relating to the environment. (ESP 235) (PAX 235) Outcome: Students will be able to analyze and assess the role of various actors in the formulation, adoption and implementation of environmental public policies, and their impact on the everyday lives of citizens
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12488	CAS	HONR	204A	UG	SF	Science and Society	Prerequisite: Restricted to Honors students. Students will examine the ways natural science and social science address particular issues as well as the effects of science on society. They will study the history of science and scientific ways of knowing, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society. Outcomes: Students will learn the history of scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society.
10242	CAS	HONR	204D	UG	SF	Science and Society	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. Students will examine the ways natural science and social science address a particular issue as well as the effects of science on society. They will learn scientific ways of knowing and organizing knowledge, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society. Outcome: Students will learn scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society.
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13418	CAS	HIST	257A	UG	SF	Witchcraft and Science	This course will trace the history of medieval and early modern ideas about nature, magic, demonology, and witchcraft, exploring the history of reason and rationality, elite and popular culture, persecution and society, and the intersections between Magic, Science, and Witchcraft. Outcomes: Students will understand connections between witchcraft and popular religions; the gendering of witches; the political and economic aspects of witch trials; and modern portrayals of witches in popular media.

13765	CAS	HIST	279E	UG	SF	Climate and History	Explores the role of climate in history, from the emergence of homo sapiens to recent anthropogenic climate change. Major topics include the social impact of climate variability, sources of resilience, origins of scientific knowledge, and the use of historical knowledge in the present. Outcomes: Students will analyze examples of climate shaping history, learn different ways that scholars have treated this relationship, and reflect on how this knowledge might be useful today.
3535	CAS	HIST	279E	UG	SF	North Amer Enviro Hist	This course surveys the environment and environmentalism in United States history, from the transformation of New England into a farm ecology, the expansion of the cotton South, the settlement of the West, to the rise of industrial cities, suburban sprawl, and the globalization of the economy. Outcome: Students will be able to demonstrate historical knowledge of environmental thought and ecological science, to draw links between environmental concerns and public policies, and to develop critical thinking and communication skills.
9708	CAS	COMP	417	GRAD	SR	Social & Ethical Iss Comp	This course covers social, legal, and ethical issues commonly arising in key areas related to computing technologies. Outcome: Understanding of laws and issues in areas such as privacy, encryption, freedom of speech, copyrights and patents, computer crime, and computer/software reliability and safety; understanding of philosophical perspectives such as utilitarianism versus deontological ethics and basics of the U.S. legal system.

9708	CAS	COMP	417	GRAD	SR	Social & Ethical Iss Comp	This course covers social, legal, and ethical issues commonly arising in key areas related to computing technologies. Outcome: Understanding of laws and issues in areas such as privacy, encryption, freedom of speech, copyrights and patents, computer crime, and computer/software reliability and safety; understanding of philosophical perspectives such as utilitarianism versus deontological ethics and basics of the U.S. legal system.
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14305	CAS	GSP	432	GRAD	SR	Global Bioethics	This course will survey major topics in global bioethics. Students will be introduced to global bioethics frameworks, practices, and governance bodies in order to place bioethical problems in a global context. Attention will be given to how the global realities of health disparities and neoliberal economic policies impact bioethical questions. Guest lecturers will share experiences working in clinical ethics, public health, social justice, health care policy, and research across the globe. Outcomes: Students will gain knowledge regarding clinical ethics, public health, social justice, health care policy, and research across the globe.
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3769	CAS	HIST	558	GRAD	SR	Amer Cultural Hist	
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5942	CAS	PLSC	100	UG	SR	Political Theory	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. An introduction to political theory, covering the principal ideas, controversies and institutions of political society. Outcome: Students will be able to demonstrate an understanding of major approaches to the normative study of politics; to identify the assumptions underlying philosophical arguments; and to critically assess different theories of political justice.

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1266	CAS	BIOL	101	UG	SR	General Biology I	Fundamental principles of Biology including: introduction to the scientific method, basic biological chemistry; cell structure and function; energy transformations; mechanisms of cell communication; cellular reproduction; and principles of genetics. Outcome: Students will be able to demonstrate understanding of the historical foundations, methodologies employed, general architecture and functioning of the cell - the basic unit of life.
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3882	CAS	GIST	101	UG	SR	Introduction to Global Studies	This course serves as an introduction to the interdisciplinary field of global studies. It provides an overview of the major disciplines represented in the program, introduces the main regions covered in the program, and discusses important global issues. Outcome: By analyzing various topics in global studies, students will gain an understanding of the different regions of the world and the ways that different disciplines contribute to this interdisciplinary field.
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3520	CAS	HIST	101	UG	SR	Evol Wst Idea/Inst to 17C	This course traces the early development of Western civilization from the ancient Near East; Greece and Rome; the medieval civilization(s); to the European Renaissance and Reformation. Outcome: Students will gain an understanding of history as a discipline; be able to place Judaism, Christianity, and Islam in historical context; explain the expansion of the West; and develop their critical thinking and communications skills.
3520	CAS	HIST	101	UG	SR	Evol Wst Idea/Inst to 17C	This course traces the early development of Western civilization from the ancient Near East; Greece and Rome; the medieval civilization(s); to the European Renaissance and Reformation. Outcome: Students will gain an understanding of history as a discipline; be able to place Judaism, Christianity, and Islam in historical context; explain the expansion of the West; and develop their critical thinking and communications skills.

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5845	CAS	PHYS	101	UG	SR	Liberal Arts Physics	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. For non-science majors. Selected topics from classical and modern physics emphasizing beauty, symmetry, and simplicity. Contemporary issues of physics and society. Outcome: Understanding of interaction between theory and experiment, role of physics in society, science vs. non-science; solve problems using algebra, geometry, vectors, and graphs; synthesize disparate physics topics.
5845	CAS	PHYS	101	UG	SR	Liberal Arts Physics	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. For non-science majors. Selected topics from classical and modern physics emphasizing beauty, symmetry, and simplicity. Contemporary issues of physics and society. Outcome: Understanding of interaction between theory and experiment, role of physics in society, science vs. non-science; solve problems using algebra, geometry, vectors, and graphs; synthesize disparate physics topics.

5943	CAS	PLSC	101	UG	SR	American Politics	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. American national government and politics, including institutions, group and electoral processes, and public policy. Outcome: Students will be able to demonstrate an understanding of the American political system, the patterns of political participation and behavior of diverse individuals and groups in American society, and evaluate the roles and processes of U.S. political institutions.
5943	CAS	PLSC	101	UG	SR	American Politics	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. American national government and politics, including institutions, group and electoral processes, and public policy. Outcome: Students will be able to demonstrate an understanding of the American political system, the patterns of political participation and behavior of diverse individuals and groups in American society, and evaluate the roles and processes of U.S. political institutions.
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3522	CAS	HIST	102	UG	SR	Evol Wst Idea/Inst Sn 17C	This course traces the development and of western civilization and its global impact from the seventeenth century to the present. Outcome: Students will gain an understanding of history as a discipline, develop critical thinking skills based on historical knowledge about the key people, places, and events that shaped the modern world, and hone their communication skills.
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5002	CAS	MATH	108	UG	SR	Real World Modeling	This course investigates mathematical modeling applied to a variety of topics such as linear programming, coding information, probability and statistics, scheduling problems and social choice. Outcome: Students will understand the usefulness of mathematical modeling in a variety of disciplines within the life sciences, the social sciences, and business. This course satisfies the quantitative literacy requirement of the core curriculum.
5002	CAS	MATH	108	UG	SR	Real World Modeling	This course investigates mathematical modeling applied to a variety of topics such as linear programming, coding information, probability and statistics, scheduling problems and social choice. Outcome: Students will understand the usefulness of mathematical modeling in a variety of disciplines within the life sciences, the social sciences, and business. This course satisfies the quantitative literacy requirement of the core curriculum.
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12149	CAS	CORE	110	UG	SR	The Chicago Experience	This course will introduce international students to the culture and realities of contemporary Chicago and the United States. Enrollment is limited to participants in the Chicago Center at Loyola University Program. Outcomes: Participate in onsite learning experiences and in a forum to discuss perspectives on the United States through the lens of their experiences. ESL sessions will be incorporated as needed in class sessions.

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1268	CAS	BIOL	111	UG	SR	General Biology I Lab	Complements General Biology I lecture material through observation, experimentation, and when appropriate, dissection of representative organisms. Physical and chemical phenomena of life as well as systematics and comparative anatomy and physiology of selected organisms will be examined. Outcome: Students will be able to demonstrate an understanding of the diversity of living organisms, including comparisons in cell structure and function, and comparative organismal evolution and ecology.
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12531	CAS	CORE	111	UG	SR	Chicago Seminar - Part 2	Prerequisite: Completion of Univ 110. Taken in the second semester with the Chicago Center Program, it will focus on the students' completion of a research project dealing issue in American Culture. Through in depth research students will identify their topic, gather information, compose a research paper, and present their findings to their classmates. Outcomes: Broaden knowledge of both their own and American culture through comparative study of a social, political, or economic issue. (Other outcomes detailed in syllabus).
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6427	CAS	SOCL	122	UG	SR	Race and Ethnic Relations	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course examines the development of cultural, society, and self-understanding by exploring the social construction of race in the United States. The course explores how social constructions of race affect interpersonal relations, laws, policies, and practices in various racial and ethnic communities. Outcome: Students will be able to demonstrate understanding of the conditions which have worsened racial tensions as well as how social movements have been successful at eradicating racially oppressive laws and working towards a just society.

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6428	CAS	SOCL	123	UG	SR	Mass Media&Populr Culture	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course examines the connections between the media of mass communication and multiple forms of popular art and culture. Topics considered include the social, political and cultural organization of mass communication and its impact on values, expectations, and life styles of contemporary society. Outcome: Students will be able to demonstrate understanding of the social relationships between mass media and the general population.
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5859	CAS	PHYS	125	UG	SR	General Physics I	Co-requisites: PHYS 125L and MATH 161 This is a calculus-based introductory course that covers Mechanics and Thermodynamics. It is designed for physics majors or minors and dual-degree engineering students. Outcome: Understanding of vectors, forces, Newtonian mechanics related to translational, rotational, and oscillatory motion; thermodynamics.
5861	CAS	PHYS	126	UG	SR	General Physics II	Department Consent Required Prerequisite: PHYS 125 Co-requisites: PHYS 126F, PHYS 126L & MATH 162 A continuation of PHYS 125, covering Electricity and magnetism, sound, optics. Outcome: Understanding of electrostatics, magnetostatics, time varying currents, resistive, capacitive and inductive elements, electromagnetic and sound waves, geometrical and wave optics, introductory special relativity.
12230	CAS	PHIL	130	UG	SR	Philosophy & Persons	This course introduces students to the fundamental philosophical issues that bear on our understanding of persons in three equally weighted components, namely, Persons & Knowledge, Persons & Values, and Persons & Reality. Outcomes: Students will be able to explain a claim to truth, to explain theories of value in human life, and to describe theories of the metaphysical nature of human persons.
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5012	CAS	MATH	132	UG	SR	Applied Calculus II	Prerequisite: MATH 131 This course is a continuation of Mathematics 131. Topics include: definition and interpretations of the integral (numerically, graphically, and algebraically), basic techniques for computing anti-derivatives, applications to probability, an introduction to multi-variable calculus and optimization for functions of several variables, and mathematical modeling using differential equations. (This course is not a substitute for MATH 162.) Outcome: Students will obtain an understanding of integral and multi-variable calculus, including modeling/analyzing processes with the integral, optimization of functions of several variables, and modeling with differential equations.

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2164	CAS	COMP	150	UG	SR	Introduction to Computing	The world overflows with electronic data. This course introduces programming in a simple, powerful language like Python, with selection, repetition, functions, graphical effects, and dynamic interaction with the Internet, plus connections to lower level computer organization and computer implications in the wider world. Outcome: Empowerment to manage and transform masses of data; understanding of technical, societal, and ethical issues involved. Restricted to Freshman or Sophomore standing OR majors other than COMP-BS AND CSEC-BS AND SWEN-BS.

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7245	CAS	SOCL	171	UG	SR	Sociology of Sex and Gender	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the social organization of sex and gender. Outcome: Students will be able to situate their pre-conceived experiences of the naturalness of gender in a particular historical and cultural context.

7245	CAS	SOCL	171	UG	SR	Sociology of Sex and Gender	Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. This course explores the social organization of sex and gender. Outcome: Students will be able to situate their pre-conceived experiences of the naturalness of gender in a particular historical and cultural context.
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3863	CAS	INDS	174	UG	SR	Theology and Society	
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9570	CAS	PHIL	181	UG	SR	Ethics	This course is a general introduction to ethics and moral philosophy. Outcome: Students will be able to demonstrate understanding of criteria for choosing between conflicting ethical theories, moral disagreement, the justification of moral judgments, and the application of ethical standards to practical decision-making and ethical questions that arise in everyday life.
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9571	CAS	PHIL	182	UG	SR	Social&Political Philosophy	This course will investigate one of the central questions of philosophy and social theory: how we, as human beings, should live together. Outcome: Students will be able to demonstrate understanding of the major philosophical questions in the area of social philosophy with attention to the historical and conceptual development of these questions, and be able to articulate some of the major problems and responses central to this area of philosophy.

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12232	CAS	THEO	186	UG	SR	Global Religious Ethics	Religious Ethics explores fundamental moral sources and methods in Christian ethics in dialogue with the ethical understandings of at least one other religious tradition, and with special attention to Roman Catholic thought. In doing so, it explores moral issues faced by individuals and communities from theological perspectives, particularly mindful of how the economic, political and cultural structures in a religiously plural world affect those issues. Outcomes: In this course, students will explore and compare the ethical understandings of Christianity and at least one other religious tradition. With respect to each tradition, students will learn about the foundational sources, doctrines and questions that guide its ethical thinking.
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12746	CAS	PHIL	190	UG	SR	Loyola's Mission: Phil. Vision	Enrollment is limited to transfer students with 30 or more credit hours. The course introduces transfer students to the mission of LUC, especially "Transformative Education," by means of the methodology of philosophy. Outcome: Students who take the course acquire an intellectual and experiential assimilation of LUC's mission, especially as it relates to "Transformative Education."

12746	CAS	PHIL	190	UG	SR	Loyola's Mission: Phil. Vision	Enrollment is limited to transfer students with 30 or more credit hours. The course introduces transfer students to the mission of LUC, especially "Transformative Education," by means of the methodology of philosophy. Outcome: Students who take the course acquire an intellectual and experiential assimilation of LUC's mission, especially as it relates to "Transformative Education."
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6860	CAS	THEO	190	UG	SR	Loyola's Mission: THEO	The course introduces students to LUC's mission through theological reflection on the main themes of the Transformative Education mission-statement: spirituality and faith, interlinked human knowing, moral compass, civic and environmental responsibility. Outcome: Integration into the LUC community, ethos, and vision.
6860	CAS	THEO	190	UG	SR	Loyola's Mission: THEO	The course introduces students to LUC's mission through theological reflection on the main themes of the Transformative Education mission-statement: spirituality and faith, interlinked human knowing, moral compass, civic and environmental responsibility. Outcome: Integration into the LUC community, ethos, and vision.
6860	CAS	THEO	190	UG	SR	Loyola's Mission: THEO	The course introduces students to LUC's mission through theological reflection on the main themes of the Transformative Education mission-statement: spirituality and faith, interlinked human knowing, moral compass, civic and environmental responsibility. Outcome: Integration into the LUC community, ethos, and vision.
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3864	CAS	INDS	201	UG	SR	Arts & Democratic Society	
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5526	CAS	PAX	201	UG	SR	Peace Studies Overview	A general introduction to peace studies as an area of inquiry. Students identify concrete social justice issues and their relevance to domains of societal, international and ecological spheres of violence and address literature on nonviolence or limited use of violence through a critical research paper and other course applications.
13445	CAS	THEO	203	UG	SR	Social Justice & Injustice	The Dept. recommends that students take Theo 100 or 107 before taking 2nd tier Theology Core The course introduces students to Catholic and Protestant approaches to social justice. Students will also study theories and analyses of social injustice. Students will study specific instances of social injustice (gender, race, and class). It will increase student awareness of diversity, in the United States and globally. Outcomes: *Summarize relevant social, economic, policy history/context that related to current sites of injustice related to racial-ethnic inequalities, economic inequality, immigration status, healthcare, and sex/gender inequality *Distinguish among distinct theories of justice in both theological and philosophical thought *Describe the moral challenges posed by injustice *Relate key ideas, traditions, & practices in Christian theological, philosophical, and other religious thought that may help individuals and societies move closer to approximating justice in society/world.

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10809	CAS	HIST	209	UG	SR	Survey of Islamic History	<p>Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.</p>
10809	CAS	HIST	209	UG	SR	Survey of Islamic History	<p>Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.</p>

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10809	CAS	HIST	209	UG	SR	Survey of Islamic History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.
10809	CAS	HIST	209	UG	SR	Survey of Islamic History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.

10809	CAS	HIST	209	UG	SR	Survey of Islamic History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.
10809	CAS	HIST	209	UG	SR	Survey of Islamic History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.
10809	CAS	HIST	209	UG	SR	Survey of Islamic History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present. Outcome: Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods.

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12261	CAS	HIST	210	UG	SR	Intro Latin American History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course explores the formation of modern Latin America by examining the region as a global nexus where ideologies, cultures, peoples, and political entities have conjoined and clashed from the fifteenth century to the present. Outcomes: Demonstrate and ability to evaluate and explain forces of historical continuity and change. Demonstrate and understanding of the relationships among historical events, culture and social forces. Differentiate between students' values and ways of understanding the world & those of other cultures.
12261	CAS	HIST	210	UG	SR	Intro Latin American History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course explores the formation of modern Latin America by examining the region as a global nexus where ideologies, cultures, peoples, and political entities have conjoined and clashed from the fifteenth century to the present. Outcomes: Demonstrate and ability to evaluate and explain forces of historical continuity and change. Demonstrate and understanding of the relationships among historical events, culture and social forces. Differentiate between students' values and ways of understanding the world & those of other cultures.

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11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.
11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.
11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.
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11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.
11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.

11179	CAS	CHEM	212	UG	SR	Quantitative Analysis Lecture	Prerequisite: CHEM 106 or 102 and 112. This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.
12262	CAS	HIST	213	UG	SR	Intro to African History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course surveys the history of Africa from dynastic Egypt to post-colonialism. The primary focus of this class is to examine the interactions African peoples had with non-Africans from the 15th century to the present. Outcomes: Engage in critical thinking skills and disposition. Engage communication skills and sensitivities. Possess a heightened understanding of diversity in the world.
12262	CAS	HIST	213	UG	SR	Intro to African History	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course surveys the history of Africa from dynastic Egypt to post-colonialism. The primary focus of this class is to examine the interactions African peoples had with non-Africans from the 15th century to the present. Outcomes: Engage in critical thinking skills and disposition. Engage communication skills and sensitivities. Possess a heightened understanding of diversity in the world.
5955	CAS	PLSC	218	UG	SR	African-American Politics	The political goals, behavior, voting patterns, group structures, values, and attitudes of various segments of the African-American population, and how these affect the political system. Outcome: Students will be able to demonstrate an understanding of the patterns of political participation and behavior of African-American individuals and groups in American society.

14008	CAS	COMP	231	UG	SR	Data Struct/Algs - Informatics	<p>This course introduces data structures and algorithms that are essential for data science and informatics. Here we will focus on identifying the right method for storing data and using the most efficient algorithm for analysis. A subset of data structures and algorithms fundamental to computer science will be covered.</p> <p>Prereq: (MATH/COMP 215 OR COMP 170) AND (COMP 141 OR AMTH-BS OR MATH-BS) Advisory: MATH/COMP 215 preferred.</p> <p>Outcome: Students will learn fundamental data structures and algorithms frequently used in informatics and data science.</p> <p>Students will be able to apply this knowledge for data analysis.</p>
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13670	CAS	PLSC	236	UG	SR	Political Communicatio n	<p>The purpose of this course is to explore and examine how elected officials and institutions communicate to the public - and the role journalists and PR professionals play in the process-- through readings, seminar, and practicum. The class will challenge students to grapple with questions like - What is the meaning of the "truth" in today's media environment?</p> <p>Outcomes: Students will understand how and why journalists cover what they cover, and the roles PR professionals/spin doctors attempt to shape the media narrative.</p>

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13668	CAS	PLSC	238	UG	SR	Political Advocacy	<p>Policy-making and implementation in the United States is a complicated process. In any given year laws are passed by elected officials, decisions that guide our implementation of the law are made by government agencies, and rulings handed down by the courts shape our interpretation of those laws.</p> <p>Outcomes: Students will understand their place in the policy-making ecosystem, and the efficacy of those efforts.</p>

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14040	CAS	PSYC	239	UG	SR	Bias and Inclusivity	<p>Using an intersectional lens, students learn about how privilege, power, and oppression shape ourselves, perceptions of others, and our social world. They consider how ourselves and others are shaped by and operate within the larger social system. Students explore their identities, values, and biases. Students engage in self-reflection to increase self-awareness. Outcomes: Identify feelings about course topics. Demonstrate self-awareness of identities and values, including the value of difference. Engage in intergroup dialogue. Articulate how personal power can be used to create change.</p>
14040	CAS	PSYC	239	UG	SR	Bias and Inclusivity	<p>Using an intersectional lens, students learn about how privilege, power, and oppression shape ourselves, perceptions of others, and our social world. They consider how ourselves and others are shaped by and operate within the larger social system. Students explore their identities, values, and biases. Students engage in self-reflection to increase self-awareness. Outcomes: Identify feelings about course topics. Demonstrate self-awareness of identities and values, including the value of difference. Engage in intergroup dialogue. Articulate how personal power can be used to create change.</p>

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6153	CAS	PSYC	240	UG	SR	Psych-Biol of Perception	Prerequisites: PSYC 101; For Biology majors: BIOL 102, BIOL 112, and PSYC 101 Introduction to the study of sensory systems, especially vision and audition, emphasizing historical development of the field, multi-disciplinary scientific approaches; recent research and theory on the mechanisms of seeing and hearing; and applications of research to real-world problems. PSYC 240 is cross-listed with BIOL 240. Outcomes: Students will understand and be able to explain how knowledge of the functioning of sensory systems is obtained using a variety of experimental methods, how stimulus energy is translated into neural signals, how the brain processes sensory information, and how these processes determine conscious perception.
6153	CAS	PSYC	240	UG	SR	Psych-Biol of Perception	Prerequisites: PSYC 101; For Biology majors: BIOL 102, BIOL 112, and PSYC 101 Introduction to the study of sensory systems, especially vision and audition, emphasizing historical development of the field, multi-disciplinary scientific approaches; recent research and theory on the mechanisms of seeing and hearing; and applications of research to real-world problems. PSYC 240 is cross-listed with BIOL 240. Outcomes: Students will understand and be able to explain how knowledge of the functioning of sensory systems is obtained using a variety of experimental methods, how stimulus energy is translated into neural signals, how the brain processes sensory information, and how these processes determine conscious perception.

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6452	CAS	SOCL	250	UG	SR	Inequality in Society	This course examines the manner in which contemporary society is divided by race, ethnicity, class, sexuality and gender, and the impact of social institutions on these divisions. An emphasis will be placed on income/wealth differences, status differences, class conflict and social conflict over time. Outcome: Students will acquire a better understanding of social inequality and what can be done to make society more just.
6452	CAS	SOCL	250	UG	SR	Inequality in Society	This course examines the manner in which contemporary society is divided by race, ethnicity, class, sexuality and gender, and the impact of social institutions on these divisions. An emphasis will be placed on income/wealth differences, status differences, class conflict and social conflict over time. Outcome: Students will acquire a better understanding of social inequality and what can be done to make society more just.

6454	CAS	SOCL	260	UG	SR	Power in Society	This course focuses on sociological theories and case studies of power, authority, and social change. It explores the ways in which power relations perpetuate social inequality and the ways in which social conflicts and power struggles transforms society. Outcome: Students learn about the structures of power in economic systems, political systems, and organizations; the cultural and ideological underpinnings of power relationships; and political struggles for social change.
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6455	CAS	SOCL	261	UG	SR	Soc Movements & Soc Chnge	This course examines the dynamics of collective behavior and movements promoting social change. Outcome: Students will demonstrate understanding of competing explanations of social movements and social change, and will be able to test various theories by analyzing historical movements for change.
1309	CAS	BIOL	265	UG	SR	Ecology	Pre-requisites: BIOL 102, 112; CHEM 102 or 106. Restricted to Biology and Environmental Science/Studies students. Relationships of organisms to their environment and to each other at the organism, population, community, and ecosystem levels. Outcome: Students will understand the fundamental principles governing the interactions of organisms and their environment at the population, community, and ecosystem levels.

1309	CAS	BIOL	265	UG	SR	Ecology	Pre-requisites: BIOL 102, 112; CHEM 102 or 106. Restricted to Biology and Environmental Science/Studies students. Relationships of organisms to their environment and to each other at the organism, population, community, and ecosystem levels. Outcome: Students will understand the fundamental principles governing the interactions of organisms and their environment at the population, community, and ecosystem levels.
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6457	CAS	SOCL	265	UG	SR	Globalization & Society	This course examines the nature of contemporary globalization and considers how it influences communities, nations and the world. The course examines the positive and negative consequences of globalization and the global justice movements that have emerged seeking more equality, tolerance and environmental stewardship. Outcome: Students learn how economic, political and cultural aspect of globalization impact society in an increasingly interconnected world.
6825	CAS	THEO	265	UG	SR	Sacraments & Christian Imagin.	Prerequisite: THEO 100 This course studies the realities of Christian faith life as expressed and celebrated in the concrete rituals of the Christian communities. Outcome: Students will be able to demonstrate how a sacramental system of aesthetics is often embedded in cultural artifacts such as poetry, music, painting, literature, and film, and recognize and interpret the impact of history and cultures on the development of Christian doctrine and practices.

6824	CAS	THEO	266	UG	SR	Church & Global Cultures	Prerequisite: THEO 100 or THEO 107. This course provides an introduction to ways in which the Christian churches, and primarily the Roman Catholic Church, understand and enact their identity in relation to the secular world of culture, economics, and politics, both nationally and globally. Outcome: Students will be able to analyze and interpret contrasting Christian understandings of the notion of original sin, and demonstrate knowledge, with attention to historical development, of the central texts, beliefs, ethical understandings, and practices of at least one religious tradition.
6824	CAS	THEO	266	UG	SR	Church & Global Cultures	Prerequisite: THEO 100 or THEO 107. This course provides an introduction to ways in which the Christian churches, and primarily the Roman Catholic Church, understand and enact their identity in relation to the secular world of culture, economics, and politics, both nationally and globally. Outcome: Students will be able to analyze and interpret contrasting Christian understandings of the notion of original sin, and demonstrate knowledge, with attention to historical development, of the central texts, beliefs, ethical understandings, and practices of at least one religious tradition.
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6824	CAS	THEO	266	UG	SR	Church & Global Cultures	Prerequisite: THEO 100 or THEO 107. This course provides an introduction to ways in which the Christian churches, and primarily the Roman Catholic Church, understand and enact their identity in relation to the secular world of culture, economics, and politics, both nationally and globally. Outcome: Students will be able to analyze and interpret contrasting Christian understandings of the notion of original sin, and demonstrate knowledge, with attention to historical development, of the central texts, beliefs, ethical understandings, and practices of at least one religious tradition.

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1939	CAS	CLST	274	UG	SR	World of Archaic Greece	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course investigates the history, literature, art, culture and society of Archaic Greece (c. 750-480 B.C.E.), the precursor of Classical Greece and western civilization. Outcome: Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age.

1940	CAS	CLST	275	UG	SR	World of Classical Greece	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. The course investigates the history, literature, art, culture and society of Classical Greece (c. 480 B.C.E. to c. 300 B.C.E.), the origin of so much that has impacted western civilization; its primary focus is Athens in the fifth and fourth centuries B.C.E. Outcome: Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, concerns, and the major figures of the age.
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6157	CAS	PSYC	275	UG	SR	Social Psychology	Introduction to the field of social psychology; including topics such as social cognition, impression formation, social influence, attitude formation and change, stereotyping and prejudice, aggression, pro-social behavior, and group behavior. Outcomes: Students will demonstrate the ability to think critically about fundamental theoretical approaches within social psychology, scientific methods of hypothesis testing, and potential applications of social psychology that address real-world problems.
6157	CAS	PSYC	275	UG	SR	Social Psychology	Introduction to the field of social psychology; including topics such as social cognition, impression formation, social influence, attitude formation and change, stereotyping and prejudice, aggression, pro-social behavior, and group behavior. Outcomes: Students will demonstrate the ability to think critically about fundamental theoretical approaches within social psychology, scientific methods of hypothesis testing, and potential applications of social psychology that address real-world problems.

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1941	CAS	CLST	276	UG	SR	World of Classical Rome	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course investigates the historical development of the Roman people through study of their history, politics, society and culture especially in the 1st centuries B.C.E. and C.E., the turning points of Republican and Imperial Rome. Outcome: Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age.
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1942	CAS	CLST	277	UG	SR	World of Late Antiquity	Requirement: HIST 101, HIST 102, HIST 103, or HIST 104 for students admitted to Loyola University for Fall 2012 or later. No requirement for students with a declared major or minor in History. This course investigates the historical development of the Roman Empire in the 3rd to 5th centuries C.E. when the Mediterranean basin and Europe re-evaluated their classical past and decisively set their course toward Medieval and later governmental, religious and cultural history. Outcome: Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age.
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13813	CAS	SOCL	278	UG	SR	Global Health	This course addresses the underlying social, economic, political, and cultural mechanisms driving some of the leading issues in global health today; including the rise of non-communicable diseases in low and middle income countries, neglected infectious diseases, human resources for health, and access to global pharmaceuticals. Outcomes: Students will become familiar with evaluating the global health policy process, and debating possible routes to achieving health equity. Outcomes: Students will become familiar with evaluating the global health policy process, and
6884	CAS	THEO	278	UG	SR	Religion & Gender	Prerequisite: THEO 100 or THEO 107. This course will study the role of women in at least one (if not more) of the major world religious traditions. Outcomes: Students will be able to demonstrate understanding of the influence of religion on gender roles, and how women in the contemporary world are reinterpreting their religious traditions.
6884	CAS	THEO	278	UG	SR	Religion & Gender	Prerequisite: THEO 100 or THEO 107. This course will study the role of women in at least one (if not more) of the major world religious traditions. Outcomes: Students will be able to demonstrate understanding of the influence of religion on gender roles, and how women in the contemporary world are reinterpreting their religious traditions.
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6887	CAS	THEO	281	UG	SR	Christianity Through Time	Prerequisite: THEO 100 or THEO 107 The course is a survey course in the history of Christian thought. Not a course in Church history, this is a course whose primary goal is to investigate the major interactions between Christian thought and practice and the cultures that it has been a part of in its two thousand year history. Outcomes: Students will learn to analyze and interpret religious texts, beliefs and practices using standard scholarly methods and tools.

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5705	CAS	PHIL	284	UG	SR	Health Care Ethics	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course studies philosophical ethics as practiced in the health care setting. Outcome: Students will be able to demonstrate understanding of traditional moral theories in a health care framework, as well as the varieties of ethical challenges facing contemporary health care.
5705	CAS	PHIL	284	UG	SR	Health Care Ethics	Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course studies philosophical ethics as practiced in the health care setting. Outcome: Students will be able to demonstrate understanding of traditional moral theories in a health care framework, as well as the varieties of ethical challenges facing contemporary health care.

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2592	CAS	ENGL	290	UG	SR	Human Values in Lit	Requirement: UCLR 100 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of English, Department of Classical Studies, or Department of Modern Languages and Literatures. This variable topics course focuses on a perennial psychological or philosophical problem facing the individual as exemplified in literary works, e.g., the passage from innocence to experience, the problem of death, and the idea of liberty. Outcome: Students will be able to demonstrate understanding of the ability of literature to express the deepest and most abiding concerns of human beings, and how literary works come to be.

2592	CAS	ENGL	290	UG	SR	Human Values in Lit	Requirement: UCLR 100 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of English, Department of Classical Studies, or Department of Modern Languages and Literatures. This variable topics course focuses on a perennial psychological or philosophical problem facing the individual as exemplified in literary works, e.g., the passage from innocence to experience, the problem of death, and the idea of liberty. Outcome: Students will be able to demonstrate understanding of the ability of literature to express the deepest and most abiding concerns of human beings, and how literary works come to be.
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2592	CAS	ENGL	290	UG	SR	Human Values in Lit	Requirement: UCLR 100 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of English, Department of Classical Studies, or Department of Modern Languages and Literatures. This variable topics course focuses on a perennial psychological or philosophical problem facing the individual as exemplified in literary works, e.g., the passage from innocence to experience, the problem of death, and the idea of liberty. Outcome: Students will be able to demonstrate understanding of the ability of literature to express the deepest and most abiding concerns of human beings, and how literary works come to be.

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11190	CAS	BIOL	296	UG	SR	Introduction to Research	Prerequisites: BIOL 102, 112; Permission of the instructor; Biology Core highly recommended. Students will begin reading the literature in the field of their mentor, conduct experiments designed by the mentor, and give a presentation on their work or studies, in preparation for upper level undergraduate research. Learning Outcome: Students will develop critical reading skills and become familiar with basic lab techniques in the area of their mentor.
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5961	CAS	PLSC	300	UG	SR	Contemp Political Issues	Variable titles. Investigation of selected topics or methods in politics. This course may apply to any of the four areas of the department, and may be repeated depending on subject matter. Outcome: Students will gain an in-depth knowledge of a unique topic in contemporary politics.
10690	CAS	HONR	301	UG	SR	Moral Responsibility	This course is the capstone of the Interdisciplinary Honors Program and may be taught from the disciplinary perspectives of philosophy or theology. Students will be able to analyze ethical theories and to apply principles of ethical reasoning and individual moral responsibility to contemporary social issues and questions that arise in everyday life. Students must have 75 credit hours or more to enroll.
10690	CAS	HONR	301	UG	SR	Moral Responsibility	This course is the capstone of the Interdisciplinary Honors Program and may be taught from the disciplinary perspectives of philosophy or theology. Students will be able to analyze ethical theories and to apply principles of ethical reasoning and individual moral responsibility to contemporary social issues and questions that arise in everyday life. Students must have 75 credit hours or more to enroll.

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5963	CAS	PLSC	301	UG	SR	Political Justice	<p>A study of alternative conceptions of political justice and the attempts to institutionalize them in various political systems. Outcome: Students will be required to demonstrate a mastery of competing theories about how various goods should be distributed fairly, and apply the just-war doctrine to various real-world cases. This course will help students to analyze and appraise social practices and policies that claim to be consistent with principles of justice.</p>
5970	CAS	PLSC	308	UG	SR	Contemp Political Thought	<p>A study of major political theorists from the nineteenth century to the present. Outcome: Students will learn to interpret and evaluate the assumptions and guiding principles of the writings of major political theorists from the nineteenth century to the present.</p>
5970	CAS	PLSC	308	UG	SR	Contemp Political Thought	<p>A study of major political theorists from the nineteenth century to the present. Outcome: Students will learn to interpret and evaluate the assumptions and guiding principles of the writings of major political theorists from the nineteenth century to the present.</p>
5975	CAS	PLSC	313	UG	SR	Resistance and Obligation	<p>This course examines normative arguments about the source of political obligation and the right to resist government through various means, both violent and nonviolent. Outcome: Students will be able to explain and assess critically various arguments about the duty to obey and the right to disobey government.</p>
13104	CAS	PLSC	317	UG	SR	Politics of Intl Health	<p>This course discusses political issues in the field of international health, including comparing health care systems in the industrialized world, and treatment of diseases in the developing world, particularly Africa (HIV/AIDs, TB, Malaria, etc). Students will be able to demonstrate an understanding of international health and comparative health systems.</p>

5725	CAS	PHIL	319	UG	SR	Studies Phil & Lit	This course is a study of selected works of literature and a discussion of philosophical issues in relation to these works. Outcome: Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the nature of literary work, the relations of philosophical and literary language, and methods of interpretation.
5727	CAS	PHIL	321	UG	SR	Ethics and Society	Prerequisite: Students must have taken at least two philosophy courses. This course is a study of the rights, duties, and virtues of individuals as members of societies, covering issues such as family and state, social justice, international society, war, and globalization. Outcome: Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding ethics in social contexts.
6179	CAS	PSYC	321	UG	SR	Lab in Social Psychology	Prerequisites: PSYC 275 and 306. Lectures, demonstrations, readings, and individual or group research projects illustrating various methods, such as observation, interviewing, archives, standardized tests, and experimentation, are used to learn about topics such as group influences on the individual, attitudes, prosocial and antisocial behavior, and perception of self and others. Outcomes: Students will demonstrate skills and knowledge of methodology in social psychological research; designing, conducting, and analyzing and interpreting the results of a research project, and writing a research paper in APA format.

6179	CAS	PSYC	321	UG	SR	Lab in Social Psychology	Prerequisites: PSYC 275 and 306. Lectures, demonstrations, readings, and individual or group research projects illustrating various methods, such as observation, interviewing, archives, standardized tests, and experimentation, are used to learn about topics such as group influences on the individual, attitudes, prosocial and antisocial behavior, and perception of self and others. Outcomes: Students will demonstrate skills and knowledge of methodology in social psychological research; designing, conducting, and analyzing and interpreting the results of a research project, and writing a research paper in APA format.
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5729	CAS	PHIL	323	UG	SR	Philosophy of Law	This course pursues a philosophical analysis of law. It deals with topics such as philosophical presuppositions of law, origin and purpose of law, law as social control, current legal problems involving ethical issues. Outcome: Students will be able to understand and articulate philosophical problems and answers to questions regarding law and its applications.
5733	CAS	PHIL	327	UG	SR	Topics in Political Phil	This course will concentrate on a specific issue or issues in political philosophy. Typical topics include civil disobedience, war and peace, political revolution, punishment, and criminal justice. Outcome: Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the selected topic.
5733	CAS	PHIL	327	UG	SR	Topics in Political Phil	This course will concentrate on a specific issue or issues in political philosophy. Typical topics include civil disobedience, war and peace, political revolution, punishment, and criminal justice. Outcome: Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the selected topic.
13120	CAS	ANTH	332	UG	SR	Language, Race, and Inequality	This course addresses how and why languages and speakers are associated with racialized stereotypes, and how linguistic discrimination operates in U.S. culture today. In-depth case studies examine language and race in education, mass media, material culture, and everyday interaction. Critical perspectives on sociolinguistic norms and relationships between language, Whiteness, and power are also included. Prerequisite: ANTH 100 or ANTH 102, or Instructor permission Students will identify relationships between language and race in everyday life, recognize and analyze instances of linguistic discrimination, stereotypes, and covert racism. Critical thinking and writing are emphasized.



6775	CAS	MATH	335	UG	SR	Intro to Biostatistics	Prerequisite: BIOL102; MATH 132 or 162 Prerequisites for Bioinformatics Majors ONLY: BIOL 101; MATH 132 or MATH 162 This course provides an introduction to the statistical methods used in designing biological experiments and in data analysis, including computer laboratory assignments with biological data. Outcome: Students interested in research in the life sciences will obtain a background in the appropriate use of statistical methods as an experimental tool.
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6466	CAS	SOCL	335	UG	SR	Urban Semester Seminar	Prerequisite: Junior or senior standing. Students explore how cities work through texts, field trips, and guest speakers, and help find solutions to pressing urban issues. They fulfill civic engagement core value requirement. Outcome: Students will understand and address inequities in urban communities, and identify avenues of leadership and civic engagement in contemporary cities.
6776	CAS	MATH	336	UG	SR	Advanced Biostatistics	Prerequisites: STAT 203 or STAT 335 This course provides an overview of advanced topics in applied statistics with particular application in biology and medicine, including the interpretation of Minitab, SAS and S-Plus computer output. Outcome: Students interested in applied statistical methods will obtain skill in experimental design, linear regression, categorical data analysis and logistic analysis, nonlinear regression, bioassay and drug synergy methods, as well as multivariate and survival statistical methods.
6776	CAS	MATH	336	UG	SR	Advanced Biostatistics	Prerequisites: STAT 203 or STAT 335 This course provides an overview of advanced topics in applied statistics with particular application in biology and medicine, including the interpretation of Minitab, SAS and S-Plus computer output. Outcome: Students interested in applied statistical methods will obtain skill in experimental design, linear regression, categorical data analysis and logistic analysis, nonlinear regression, bioassay and drug synergy methods, as well as multivariate and survival statistical methods.
13232	CAS	CRMJ	345	UG	SR	Social Justice and Crime	This course examines the social injustices in the criminal justice system's naming and sanctioning of harmful behaviors as crimes. Discussions will unpack the values, ethics, and ideologies underlying the current retributive system of sanctioning compared to social justice responses to crime. Outcomes: Articulate the meaning of social justice; Discuss restorative and retributive justice

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13844	CAS	ANTH	348	UG	SR	Museum & Material Ctr Rsrch	<p>This course offers direct experience with anthropological research methods and analysis using material culture and archival holdings from the May Weber Ethnographic Study Collection. Grounded in object-based studies and using examples from the collection, this course will examine collecting contexts, formal and technical analyses, operational sequences, cultural contexts, and interpretation. Outcomes: Students gain knowledge of research techniques for working with museum-held objects while contributing to the permanent documentation and interpretation of the May Weber Ethnographic Study Collection through object research.</p>

14005	CAS	BIOL	348	UG	SR	Field Ornithology	Field ornithology is an intensive 3-week engaged-learning course at the Loyola University Retreat and Ecology Campus during the peak of the migratory season intended to provide an introduction to the theory and practice of field ornithology. Emphasis will be on field identification and song recognition, census techniques, and avian behavior. Prerequisite: ENV5 280 & 286 or BIOL 265 & 266 (BIOL 215 recommended but not required) Outcome: Students will become skilled in critical reasoning, field techniques, and scientific investigation that demonstrate an understanding of knowledge and techniques used in field ornithology.
5053	CAS	MATH	351	UG	SR	Intro to Real Analysis I	Prerequisite: MATH 201 and MATH 263 and (MATH 212 or MATH 266) This course provides a rigorous treatment of the real numbers and real-valued functions of a real variable, including sequences, the Bolzano-Weierstrass and Heine-Borel theorems, topology, uniform continuity, fixed-point theorems, derivatives, and other selected topics. Outcome: Students will obtain an understanding of the fundamentals of real analysis that will prepare them for advanced work in mathematics.
5053	CAS	MATH	351	UG	SR	Intro to Real Analysis I	Prerequisite: MATH 201 and MATH 263 and (MATH 212 or MATH 266) This course provides a rigorous treatment of the real numbers and real-valued functions of a real variable, including sequences, the Bolzano-Weierstrass and Heine-Borel theorems, topology, uniform continuity, fixed-point theorems, derivatives, and other selected topics. Outcome: Students will obtain an understanding of the fundamentals of real analysis that will prepare them for advanced work in mathematics.

5053	CAS	MATH	351	UG	SR	Intro to Real Analysis I	Prerequisite: MATH 201 and MATH 263 and (MATH 212 or MATH 266) This course provides a rigorous treatment of the real numbers and real-valued functions of a real variable, including sequences, the Bolzano-Weierstrass and Heine-Borel theorems, topology, uniform continuity, fixed-point theorems, derivatives, and other selected topics. Outcome: Students will obtain an understanding of the fundamentals of real analysis that will prepare them for advanced work in mathematics.
5053	CAS	MATH	351	UG	SR	Intro to Real Analysis I	Prerequisite: MATH 201 and MATH 263 and (MATH 212 or MATH 266) This course provides a rigorous treatment of the real numbers and real-valued functions of a real variable, including sequences, the Bolzano-Weierstrass and Heine-Borel theorems, topology, uniform continuity, fixed-point theorems, derivatives, and other selected topics. Outcome: Students will obtain an understanding of the fundamentals of real analysis that will prepare them for advanced work in mathematics.
5055	CAS	MATH	352	UG	SR	Intro to Real Analysis II	Prerequisite: MATH 351 This course, a continuation of Mathematics 351, provides the theoretical background for differentiability and integrability on $\mathbb{R}$ and $\mathbb{R}^n$ and Taylor's theorem, the change of variable theorem, the inverse and implicit function theorems, Lebesgue integration, and other selected topics. Outcome: Students will obtain an understanding of topics in advanced analysis that will prepare them for graduate level work in mathematics.

5057	CAS	MATH	353	UG	SR	Intro Complex Analysis	Prerequisite: (MATH 264 and MATH 266) and MATH 351 This course provides an introduction to the theory of functions of a complex variable, including analytic functions, contour integrals, the Cauchy integral formula, harmonic functions, Laurent series, residues and poles, conformal mapping, and other selected topics. Outcome: Students will obtain an understanding of the fundamentals of complex analysis that will prepare them for advanced work in mathematics.
13839	CAS	COMP	358	UG	SR	Big Data Analytics	In this course, large data sets will be leveraged to solve challenging analytics problems. With more sam-ples, analytics can use more complex learning models to automate more feature combinations for more robust model tuning, selection, and validation. Parallel, distributed processing will be performed with Apache Spark and Hadoop. ((Database experience: COMP 251 OR COMP 305 OR COMP 353) AND (Analytics experience: COMP 300 OR COMP 379 OR STAT 338 OR STAT 308)) OR permission of instructor. Outcomes: Python or R will be used with parallel frameworks to perform proper model selection when testing large combinations of features, models, hyperparameters, and ensembles, with additional emphasis on deep learning.
1146	CAS	ANTH	360	UG	SR	Issues in Archaeology	Prerequisite: ANTH 101 or ANTH 104. Specific theoretical, methodological, and research problems in archaeology with focus on current research in the discipline. Topics include but are not restricted to: environmental archaeology; ethnoarchaeology and experimental archaeology; the study of prehistoric craft specialization, trade, demography, and urbanism. Outcome: Students will be able to draw connections between contemporary archaeological method and theory and current research issues in anthropology.

13106	CAS	MDLG	365	UG	SR	Latin American Cinema	This course will focus on Latin American cinema, from its early beginnings in silent cinema to the present. Instructor's consent required to enroll. Outcomes: Students will gain an understanding of the formation of national film industries, the emergence of larger regional trends, and the cinematic treatment of social, political and economic aspects of various Latin American countries.
13832	CAS	MATH	370	UG	SR	Data Sci Consulting	Students will work on a research project with a client acting as a consultant on the statistical and computational aspects of the project. Students are required to meet with a client, develop a strategy for addressing their problem, and present their results to the client (and their classmates). Prerequisite: STAT 308 Outcomes -Apply methods learned in classes to address a real world problem. -Oral and Written presentation skills. - Collaboration skills.
6207	CAS	PSYC	373	UG	SR	Health Psychology	Prerequisite: PSYC 101 Survey of psychological and behavioral influences on how people stay healthy, why they become ill, and how they respond when they do become ill. Topics include: health behavior and primary prevention, stress and coping, patient-physician interaction, and management of chronic illness. Outcomes: Students will demonstrate an understanding of the complex interaction of an individual's psychology and physical health, as well as understanding of different intervention and prevention programs, the structure of the health care system, and the various roles psychologists play in this system.

6207	CAS	PSYC	373	UG	SR	Health Psychology	Prerequisite: PSYC 101 Survey of psychological and behavioral influences on how people stay healthy, why they become ill, and how they respond when they do become ill. Topics include: health behavior and primary prevention, stress and coping, patient-physician interaction, and management of chronic illness. Outcomes: Students will demonstrate an understanding of the complex interaction of an individual's psychology and physical health, as well as understanding of different intervention and prevention programs, the structure of the health care system, and the various roles psychologists play in this system.
6209	CAS	PSYC	374	UG	SR	Community Psychology	Prevention of mental disorder and promotion of well-being, primarily through creating more mentally healthy environments, but also by enhancing individual resilience. Recognizing the toxicity of psychosocial stressors such as inequality, poverty, alienation, and discrimination, community psychologists also fight for social justice through empowerment of oppressed groups and policy advocacy. Prerequisite: PSYC 101 Understanding of the methods of community psychology; effects of societal, cultural, and environmental influences on psychological and community well-being.
3877	CAS	INDS	380	UG	SR	Newberry Seminar	
12750	CAS	ROST	382	UG	SR	Human Rights: View from Rome	Enrollment is restricted to Rome Center Students Only. Theory, actuality and application of select human rights issues in the Mediterranean region as viewed from the perspective of Rome. This course includes 24 hours of required practical engagement with the local community which will result in unique first-hand experience of the actualities of Roman human rights. Outcomes: Students will demonstrate knowledge of contemporary principles of moral philosophy and current social issues within Italy and the Mediterranean region affecting human rights. Students will also demonstrate self-reflection, anchored in the service-learning experience.

12750	CAS	ROST	382	UG	SR	Human Rights: View from Rome	Enrollment is restricted to Rome Center Students Only. Theory, actuality and application of select human rights issues in the Mediterranean region as viewed from the perspective of Rome. This course includes 24 hours of required practical engagement with the local community which will result in unique first-hand experience of the actualities of Roman human rights. Outcomes: Students will demonstrate knowledge of contemporary principles of moral philosophy and current social issues within Italy and the Mediterranean region affecting human rights. Students will also demonstrate self-reflection, anchored in the service-learning experience.
7118	CAS	DFPA	397	UG	SR	Fieldwork in Chicago/Theatre	Variable credit (1-6 hours) given for performances or projects undertaken with professional theatre organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied towards the major. Outcome: Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Theatre and the project supervisor.
7118	CAS	DFPA	397	UG	SR	Fieldwork in Chicago/Theatre	Variable credit (1-6 hours) given for performances or projects undertaken with professional theatre organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied towards the major. Outcome: Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Theatre and the project supervisor.

7118	CAS	DFPA	397	UG	SR	Fieldwork in Chicago/Theatre	Variable credit (1-6 hours) given for performances or projects undertaken with professional theatre organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied towards the major. Outcome: Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Theatre and the project supervisor.
7118	CAS	DFPA	397	UG	SR	Fieldwork in Chicago/Theatre	Variable credit (1-6 hours) given for performances or projects undertaken with professional theatre organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied towards the major. Outcome: Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Theatre and the project supervisor.
10241	CAS	HONR	203A	UG	SR	United States Experience	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story, and explores the ways in which our self-image as a people reflects and contradicts reality. Outcomes: Students will understand the role of key historical processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story. They will learn to use available public sources to conduct research on aspects of the American experience.

10241	CAS	HONR	203A	UG	SR	United States Experience	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story, and explores the ways in which our self-image as a people reflects and contradicts reality. Outcomes: Students will understand the role of key historical processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story. They will learn to use available public sources to conduct research on aspects of the American experience.
12486	CAS	HONR	203B	UG	SR	United States Experience	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story, and explores the ways in which our self-image as a people reflects and contradicts reality. Outcomes: Students will understand the role of key social processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story. They will learn to use available public sources to conduct research on aspects of the American experience.
12486	CAS	HONR	203B	UG	SR	United States Experience	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story, and explores the ways in which our self-image as a people reflects and contradicts reality. Outcomes: Students will understand the role of key social processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story. They will learn to use available public sources to conduct research on aspects of the American experience.

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12486	CAS	HONR	203B	UG	SR	United States Experience	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story, and explores the ways in which our self-image as a people reflects and contradicts reality. Outcomes: Students will understand the role of key social processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story. They will learn to use available public sources to conduct research on aspects of the American experience.</p>
12487	CAS	HONR	203C	UG	SR	United States Experience	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students explore the multiple ways in which key American experiences such as the western expansion, industrialization, immigration, religious pluralism, and the struggle for equality are reflected in its fiction and drama. Outcome: Students will be able to demonstrate an understanding of the various ways in which the distinctive U.S. experience has been presented in its literature; they will be able to analyze and defend interpretations of a variety of literary texts.</p>
12493	CAS	HONR	209A	UG	SR	Encountering Asia	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>

10686	CAS	HONR	209B	UG	SR	Encountering Asia	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia.</p> <p>Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
10686	CAS	HONR	209B	UG	SR	Encountering Asia	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia.</p> <p>Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
12494	CAS	HONR	209C	UG	SR	Encountering Asia	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course will introduce students to the literature of various regions in Asia. Students read representative literary texts, exploring cross-cultural linkages and influences within Asia as a whole as well the distinctive characteristics of individual societies. Outcomes: Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts.</p>

12495	CAS	HONR	210A	UG	SR	Encountering Africa	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
10689	CAS	HONR	210B	UG	SR	Encountering Africa	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
10689	CAS	HONR	210B	UG	SR	Encountering Africa	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>

10689	CAS	HONR	210B	UG	SR	Encountering Africa	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
12496	CAS	HONR	210C	UG	SR	Encountering Africa	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to the literature of various regions in Africa. Topics might include the multiple ways in which classical African civilizations, the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state are reflected in the region's fiction or drama. Outcomes: Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts.</p>
10692	CAS	HONR	212B	UG	SR	Encountering the Middle East	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth. Outcome: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures.</p>

10692	CAS	HONR	212B	UG	SR	Encountering the Middle East	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth. Outcome: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures.</p>
10692	CAS	HONR	212B	UG	SR	Encountering the Middle East	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth. Outcome: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures.</p>
10692	CAS	HONR	212B	UG	SR	Encountering the Middle East	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth. Outcome: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures.</p>

12499	CAS	HONR	216A	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
12499	CAS	HONR	216A	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
12499	CAS	HONR	216A	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>

12499	CAS	HONR	216A	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
12499	CAS	HONR	216A	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>
10694	CAS	HONR	216B	UG	SR	Encountering Europe	<p>Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.</p>

10694	CAS	HONR	216B	UG	SR	Encountering Europe	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.
10694	CAS	HONR	216B	UG	SR	Encountering Europe	Prerequisite: Completion of HONR 101, HONR D101, HONR 102, and HONR D102. Restricted to students in the Honors Program. This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions. Outcomes: Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures.
13672	CAS	HIST	298A	UG	SR	Intro to Public History	History and the Public explores the field of public history with special emphasis on the theory, methods, practice, ethics, and controversies faced when preserving or presenting history outside of a formal classroom environment. Outcomes: Appreciate how public historians shape public perceptions of the past and how public perceptions of the past shape public history; appreciate the diverse areas of historical practice; enhance teamwork skills
11049	CAS	PLSC	300A	UG	SR	Contmp Pol Iss:Amer Politics	Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.

11049	CAS	PLSC	300A	UG	SR	Contmp Pol Iss:Amer Politics	Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.
11049	CAS	PLSC	300A	UG	SR	Contmp Pol Iss:Amer Politics	Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.
11049	CAS	PLSC	300A	UG	SR	Contmp Pol Iss:Amer Politics	Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.
11049	CAS	PLSC	300A	UG	SR	Contmp Pol Iss:Amer Politics	Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11050	CAS	PLSC	300B	UG	SR	Contmp Pol Iss: Political Thry	Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.

11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11051	CAS	PLSC	300C	UG	SR	Contmp Pol Iss:Comparativ e Pol	Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
11052	CAS	PLSC	300D	UG	SR	Contmp Pol Iss:Internat'l Rltn	Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.
13833	CAS	DFPA	324D	UG	SR	Applied Design	This class will teach Stage Design techniques in practice in production through mentorship. Students will design productions or assist faculty designers. Outcomes: Students will accomplish goals in Communication, Collaboration and Conception; Design, Application and Reflection

13833	CAS	DFPA	324D	UG	SR	Applied Design	This class will teach Stage Design techniques in practice in production through mentorship. Students will design productions or assist faculty designers. Outcomes: Students will accomplish goals in Communication, Collaboration and Conception; Design, Application and Reflection
13834	CAS	DFPA	324M	UG	SR	Applied Management	This class will teach Stage Management techniques in practice in production through mentorship. Students will Stage Manage or Assistant Stage Manage productions. Outcomes: Students will accomplish goals in Communication, Collaboration and Conception; Application; Reflection
13834	CAS	DFPA	324M	UG	SR	Applied Management	This class will teach Stage Management techniques in practice in production through mentorship. Students will Stage Manage or Assistant Stage Manage productions. Outcomes: Students will accomplish goals in Communication, Collaboration and Conception; Application; Reflection
12758	CAS	CLST	334R	UG	SR	Classic Archaeology: Italy	This course focuses on the main explorations and achievements in the recovery of monuments of the ancient Greco-Roman world, particularly in Rome and Italy, and on the methodologies involved with the recoveries. Outcomes: Students should be able to recognize and interpret selected sites and monuments of the Greco-Roman world. They should be able to demonstrate knowledge of methodologies and the technical vocabulary of classical archaeology.
13563	CAS	HIST	359D	UG	SR	Ottoman Empire	The main themes of the course include: rise and development of the Ottoman Empire; relations between Muslims, Jews, Christians, and other communities; the practices of inclusion and exclusion along class, gender, and ethno-religious lines; the rise of nationalism; experiences of violence and war; and imperial legacies in post-Ottoman states. Outcome: Gain factual knowledge; Learn to analyze different ideas and texts
3800	CAS	HONR	D101	UG	SR	Dev West Thght I Disc	

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3800	CAS	HONR	D101	UG	SR	Dev West Thght I Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
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3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
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3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
3801	CAS	HONR	D102	UG	SR	Dev West Thght II Disc	
13070	ENGS	ENGS	101	UG	SR	Intro to Engineering Design	Restricted to School of Engineering students. This course is the first of four engineering design courses in the Engineering Science curriculum. Major topics in this course include engineering estimation, three dimensional computer-aided design, 2k factorial design, teamwork, engineering ethics, requirement specifications, and design iteration. Outcomes: 1. Demonstration of proficiency in engineering design. 2. Application of teamwork principles to an open-ended design project.

13070	ENGS	ENGS	101	UG	SR	Intro to Engineering Design	Restricted to School of Engineering students. This course is the first of four engineering design courses in the Engineering Science curriculum. Major topics in this course include engineering estimation, three dimensional computer-aided design, 2k factorial design, teamwork, engineering ethics, requirement specifications, and design iteration. Outcomes: 1. Demonstration of proficiency in engineering design. 2. Application of teamwork principles to an open-ended design project.
13070	ENGS	ENGS	101	UG	SR	Intro to Engineering Design	Restricted to School of Engineering students. This course is the first of four engineering design courses in the Engineering Science curriculum. Major topics in this course include engineering estimation, three dimensional computer-aided design, 2k factorial design, teamwork, engineering ethics, requirement specifications, and design iteration. Outcomes: 1. Demonstration of proficiency in engineering design. 2. Application of teamwork principles to an open-ended design project.
13206	ENGS	ENGS	102	UG	SR	Engineer Sci Freshman Sem	This seminar offers a shared learning experience with an assignment of a service project and exposure to Industrial Advisory Board members and Loyola administrators and faculty. In addition to providing intellectual enhancement to the program, these seminars give us a time and place to regularly interact. This class is restricted to Engineering Science freshman. Outcomes: Encourage bonding through a service project, stimulate thoughtful interaction, provide connections with the faculty, and connect to the broader industry community.

13206	ENGS	ENGS	102	UG	SR	Engineer Sci Freshman Sem	<p>This seminar offers a shared learning experience with an assignment of a service project and exposure to Industrial Advisory Board members and Loyola administrators and faculty. In addition to providing intellectual enhancement to the program, these seminars give us a time and place to regularly interact. This class is restricted to Engineering Science freshman. Outcomes: Encourage bonding through a service project, stimulate thoughtful interaction, provide connections with the faculty, and connect to the broader industry community.</p>
13143	ENGS	ENGS	201	UG	SR	Experiential Engineering	<p>This course introduces students to environmental, biomedical and computer engineering-based sensors and signal analysis techniques. Major topics in this course include an introduction to common biomedical sensors, electronics, signals, sampling, analog-to-digital conversion, c programming, microcontroller system architectures, and microcontroller programming. Restricted to Applied Mathematics majors OR restricted to Engineering Science majors with prerequisites (minimum C-) ENGR 101, COMP 170, PHYS 112K, and concurrent enrollment in CHEM 171. Outcomes: Provide an experiential environment to learn about instrumentation and sensors in biomedical, computer and environmental engineering. Introduce complex devices and systems to understand, measure and analyze signals.</p>
13143	ENGS	ENGS	201	UG	SR	Experiential Engineering	<p>This course introduces students to environmental, biomedical and computer engineering-based sensors and signal analysis techniques. Major topics in this course include an introduction to common biomedical sensors, electronics, signals, sampling, analog-to-digital conversion, c programming, microcontroller system architectures, and microcontroller programming. Restricted to Applied Mathematics majors OR restricted to Engineering Science majors with prerequisites (minimum C-) ENGR 101, COMP 170, PHYS 112K, and concurrent enrollment in CHEM 171. Outcomes: Provide an experiential environment to learn about instrumentation and sensors in biomedical, computer and environmental engineering. Introduce complex devices and systems to understand, measure and analyze signals.</p>

13151	ENGS	ENGS	325	UG	SR	Materials Engineering	<p>This course introduces concepts related to the structure, properties, and processing of materials commonly used in engineering applications. Major topics include material structure, bonding, crystalline and non-crystalline structures, imperfections, properties of metals, metal alloys, ceramics and polymers, phase transformation, and material failures. Restricted to Engineering Science majors. Prerequisites: ENGR 322, ENGR 323, ENGR 324, ENGR 324L, each with a minimum grade of C-. Outcomes: Describe the microscale structure of metals, ceramics, polymers, and composites; quantify and describe relationships among structure, processing, and properties; understand the role of material selection in contemporary engineering design applications.</p>
13151	ENGS	ENGS	325	UG	SR	Materials Engineering	<p>This course introduces concepts related to the structure, properties, and processing of materials commonly used in engineering applications. Major topics include material structure, bonding, crystalline and non-crystalline structures, imperfections, properties of metals, metal alloys, ceramics and polymers, phase transformation, and material failures. Restricted to Engineering Science majors. Prerequisites: ENGR 322, ENGR 323, ENGR 324, ENGR 324L, each with a minimum grade of C-. Outcomes: Describe the microscale structure of metals, ceramics, polymers, and composites; quantify and describe relationships among structure, processing, and properties; understand the role of material selection in contemporary engineering design applications.</p>
14227	LAW	LAWD	859	GRAD	SF	Environ Enforcement Compliance	<p>This class will provide an overview of corporate compliance principles applied in the environmental context, as well as to provide a general overview of federal environmental law compliance. This course will examine the principles of an effective corporate environmental compliance program and will provide a framework for students to identify, prevent, detect, respond and correct any environmental non-compliance.</p>
14257	LAW	LAW	874	GRAD	SF	Environ, Social & Governance	

12073	LAW	LAWD	104	UG	SF	Intl Devlpmnt Architecture	<p>This course covers the rule of law and governance dimensions to international development assistance. It examines both the institutional frameworks and legal mechanisms by which international development assistance is distributed for rule of law and state-building activities and the legal and regulatory structures that apply to development assistance. The course begins by considering the reasons that donors provide aid generally and for rule of law, followed by the examination of the normative frameworks and standards that shape the manner in which aid is distributed, institutions and actors, mechanisms by which aid is programmed and actual use of aid by recipients. The overall approach begins at the global level and follows the chain of development aid through its various elements down to the national level. A key theme of the course is that the approach to international development assistance is broadening. Historically, financing for development was understood primarily in terms of public sector resources. As a result of a confluence of factors, development institutions have been seeking to gather resources from the private sector to supplement official development aid.</p>
14254	LAW	LAWD	143	UG	SF	Environmental Justice	<p>This course explores the disproportionate environmental burdens borne by communities of color and low-income people in the United States and the role of law in contributing to these inequities and in addressing them.</p>
13984	LAW	LAWD	175	UG	SF	Natural Resource Law	<p>This is the broad survey course on Natural Resources Law. We will explore the protection and multiple uses of natural resource systems; regulation of federal public lands; forests; the National Park System; the Wilderness Preservation System; tribal lands; fish and wildlife management (including the Endangered Species Act and other sources of protection for fisheries and marine mammals); and rangelands. There will be a take-home final exam and in-class presentations.</p>
14324	LAW	LAWD	217	UG	SF	Intl Climate Change Policy	<p>Anthropogenic climate change has become one of the most significant environmental, economic, and societal challenges confronting the global community. This seminar will explore the legal, political, and scientific challenges involved in addressing and responding to climate change. The class will consider international strategies and laws, including the Kyoto Protocol, the Paris Agreement, emissions trading schemes, and approaches to involving the developing world in climate change mitigation.</p>

13982	LAW	LAWD	339	UG	SF	Biodiversity & Ecosystem Mgmt	This course will review the issues impacting biodiversity and ecosystems in the 21st century, as well as the policy choices that federal, state, and local governments have made to address these concerns. We will cover biodiversity law, ecosystem management methods, and the emerging relationships these areas have with climate change law and renewable energy development. The grade will be based on a 20-25 page paper, presentation of that paper, and class participation.
11860	LAW	LAWD	387	UG	SF	Intl Environmental Law	
13518	LAW	LAWD	445	GRAD	SR	Humanitarian Law & Conflict	This seminar examines the international rules regulating armed conflicts and other armed violence. Topics include the rights and responsibilities of states and individuals under international law, armed conflict identification and classification, the law of the sea, and rules regulating the conduct of fighters and other aspects of armed hostilities, and international human rights law. The course is designed to prepare students for competitions and/or future practice in these areas of law, such as in a government/military or non-governmental organization setting. The final grade is determined by group projects that include answering scenario-based humanitarian law questions and a research project to be selected and completed by assigned student groups. LLM students may enroll in this course with permission.
13513	LAW	LAWD	460	GRAD	SR	Humanitarian Law in Practice	This seminar meets for four hours each week during the first half of the spring semester. It is a scenario-driven course that further deepens a student's knowledge, understanding and practical application of international humanitarian and human rights law. Students are required to prepare group presentations on assigned legal topics (Thursdays) and then participate in scenario-based, role-playing exercises that require practical application of the law (Saturdays). The final grade is determined by contributions to and performance during student group presentations on assigned international humanitarian and human rights law topics and role-playing practical exercises. Prerequisite: Humanitarian Law and Conflict

13513	LAW	LAWD	460	GRAD	SR	Humanitarian Law in Practice	<p>This seminar meets for four hours each week during the first half of the spring semester. It is a scenario-driven course that further deepens a student's knowledge, understanding and practical application of international humanitarian and human rights law. Students are required to prepare group presentations on assigned legal topics (Thursdays) and then participate in scenario-based, role-playing exercises that require practical application of the law (Saturdays). The final grade is determined by contributions to and performance during student group presentations on assigned international humanitarian and human rights law topics and role-playing practical exercises. Prerequisite: Humanitarian Law and Conflict</p>
11797	LAW	LAWD	498	GRAD	SR	Corp Governance Law and Prac	<p>In this course students will study and analyze the law and practice of corporate governance law for publicly-held corporations. Introductory sessions will detail corporate governance law and regulation, with a specific focus on the impact of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. Thereafter, a number of alternative proposed reforms will be assessed. Finally, the course will address practical element of corporate governance practice including professional responsibility issues, the director selection process, board diversity, and empirical learning regarding the best corporate governance practices. Prerequisite: Business Organizations.</p>
10467	LAW	LAWD	519	GRAD	SR	National Security Law	
13526	LAW	LAWD	687	GRAD	SR	Legislative & Policy Advocacy	<p>The purpose of this course is to provide tools and strategies for students interested in learning the techniques for effective advocacy at the state and federal levels. The first portion of the course will provide historical context on the three branches of governments' ability to make policy. The course will then examine the processes that turn a problem into a legislative solution, including how to move a bill into law. These tools include identifying an issue, conducting national surveys, building a base through community organizing, drafting, lobbying, and offering testimony in committee. A recurring theme in the course is the need to examine external obstacles that impact policy making. Students will also learn how to conduct racial equity impact assessments and how the absence of this work has impacted policy decisions in the United States in the past.</p>

10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.
10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.
10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.

10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.
10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.
10906	LAW	LAWD	902	GRAD	SR	Intro to Hlth Law and Policy	This course is designed to expose students to the legal issues that arise from the relationship between and among patients and health care providers. Primary areas include: conflicts between cost effective and high quality health care; access to care; individual and institutional liability; public and private regulation; accreditation and licensure; hospital/medical staff relationships; patient rights, with a special focus on informed consent; and other legal issues in the acute care setting.

10953	LAW	LAWD	903	GRAD	SR	Health Care Financing	Students explore the general principles and techniques of financial management and accounting as applied to health care organizations. Considerable focus is placed upon definition, history, and methods by which providers of health care services are reimbursed by third parties.
10953	LAW	LAWD	903	GRAD	SR	Health Care Financing	Students explore the general principles and techniques of financial management and accounting as applied to health care organizations. Considerable focus is placed upon definition, history, and methods by which providers of health care services are reimbursed by third parties.
10953	LAW	LAWD	903	GRAD	SR	Health Care Financing	Students explore the general principles and techniques of financial management and accounting as applied to health care organizations. Considerable focus is placed upon definition, history, and methods by which providers of health care services are reimbursed by third parties.
13111	LAW	LAWD	214	UG	SR	Race and the Law	This course covers interdisciplinary, critical perspectives on race and racism and the roles of law and history in shaping the meanings of race in the United States. We will study the histories of the major racialized groups in the United States: African Americans, Indians, Latinos/Latinas, Asian Americans, and Whites. We will also study the differing implications of enslavement, conquest, colonization, and immigration. We will explore how race and racism play out in selected areas such as equality, education and crime and explore significant current events and findings such as: important studies of implicit bias; the Voting Rights Act and allegedly race-neutral restrictions on voting; disparate treatment of minorities in the criminal justice system; and demographic changes and their implications. I expect each student to complete a 25-page research paper on a subject of her choice related to the course. I will work with you to develop a topic and to organize your research in productive ways. Your final grades will be based primarily on your papers, together with your preparation for and participation in class. I.E., you must also do the reading for the course to get anything out of it. There is no final exam in this course. This is a Skills course.

11656	LAW	LAWD	249	UG	SR	Hum Traff: Adv Protec for Chld	egregious crimes that occurs both globally and domestically. While there have been improvements to both global and domestic responses to human trafficking, children who are compelled into forced labor and sexual exploitation continue to be the least identified cohort of survivors. This interactive and interdisciplinary seminar will explore the legal, social, and practical issues confronting children who are survivors of human trafficking, as well as an examination of efforts to prevent and intervene in this social problem. While the seminar will focus on unique issues affecting (international and US citizen) survivors of child trafficking, students will gain knowledge and skills that are applicable to other marginalized populations of children and youth, as well as adult trafficking survivors. The seminar will begin with an overview of a history of anti-slavery statutes and case law to provide a foundation for contemporary international human rights and domestic laws addressing human trafficking. Students will be introduced to various frameworks, including criminal justice, public health, gender-based, human rights, and abolitionist, to combat human trafficking. Students will analyze current research in the field, and explore interventions utilized by both legal, social and public health providers. Assignment and exercises will include mock interviews, critical analysis of legislation, and a final project addressing ways to advance the movement to combat child trafficking in the United States. Scholars and practitioners in the field will provide occasional guest lectures. Section 002 (1-2 credits) The live client experience (LCE) component of this course is available for a
4504	LAW	LAWD	294	UG	SR	International Human Rights	This course offers an introduction to the theory and practice of international human rights law. Through course readings and rigorous discussion, students will learn about international and domestic laws and institutions responsible for the creation and operation of the human rights regime. The course will examine sources of international human rights laws including treaties, customary international law, and domestic law. The course will evaluate international mechanisms involved in human rights protection including the United Nations, regional mechanisms (such as the Inter-American, European and African systems) and various national courts and hybrid tribunals tasked with enforcing international human rights law. In addition to legal theory, the course will help students understand the practice of human rights law with an eye toward understanding the place of the United States in the support of and adherence to human rights norms.
7291	BUS	MGMT	443	GRAD	SF	Global Environmntl Ethics	This course develops an understanding of the ethical issues and responsibilities arising from human interaction with the non-human natural environment. Perspectives from various religious traditions, Western philosophy, and the science of ecology are considered. Outcome: Students will be able to demonstrate ethical awareness, reflection, and application of ethical principles in decision making.

5222	BUS	MGMT	472	GRAD	SF	Organizational Change&Dev	This course focuses on the manager's role as a change agent in implementing effective change management and organizational development. Outcome: Students will apply change theory frameworks in analyzing different types of organizational change such as mergers and restructuring and will learn how to manage resistance to change, facilitate change implementation and foster long-term acceptance of change by employees. Special Note: MGMT 472 is cross-listed with HRIR 431.
4187	BUS	ISSCM	486	GRAD	SF	Global Logistics	Prerequisites: SCMG/ISSCM 480 This course examines how business partners along the supply chain can work together to gain competitive advantage in moving products and services around the world to satisfy customers. Outcome: Understanding best practices like vendor-managed inventory and category management, and the application of information technologies for sharing information.
4187	BUS	ISSCM	486	GRAD	SF	Global Logistics	Prerequisites: SCMG/ISSCM 480 This course examines how business partners along the supply chain can work together to gain competitive advantage in moving products and services around the world to satisfy customers. Outcome: Understanding best practices like vendor-managed inventory and category management, and the application of information technologies for sharing information.
4210	BUS	ISOM	795	GRAD	SF	Ethics and Data Analytics	The rapid advancement in technology necessitates an equally rapid advance in the ethics of data analytics. We will explore ethical questions in this field through the use of business case studies. We will also look at examples of ethical codes of conduct. Outcomes: Students will evaluate following ethical considerations: how data is collected, how it is interpreted, how it is applied, and with whom it is shared.

13924	BUS	MGMT	404B	GRAD	SF	ESG Investing	<p>This course will explore the growing integration of environmental, social and governance (ESG) factors into global investment decision-making. Students will learn about: 1) the history and growth of ESG in investing; 2) how to assess a company's climate impact, water management, health and safety policies, supply chain integrity and other ESG factors in the context of financial risk and performance analysis; and 3) how companies can improve their ESG performance. Outcomes: Students will: 1) understand why ESG factors influence a company's financial performance; 2) assess a company's ESG performance; and 3) develop recommendations for ESG improvement.</p>
13924	BUS	MGMT	404B	GRAD	SF	ESG Investing	<p>This course will explore the growing integration of environmental, social and governance (ESG) factors into global investment decision-making. Students will learn about: 1) the history and growth of ESG in investing; 2) how to assess a company's climate impact, water management, health and safety policies, supply chain integrity and other ESG factors in the context of financial risk and performance analysis; and 3) how companies can improve their ESG performance. Outcomes: Students will: 1) understand why ESG factors influence a company's financial performance; 2) assess a company's ESG performance; and 3) develop recommendations for ESG improvement.</p>
14084	BUS	MGMT	407B	GRAD	SF	Impact Investing	<p>This course will explore the rise of investments aimed simultaneously at social, environmental, and financial returns. Students will: 1) understand how impact investing works and the growing spectrum of investment firms with impact investing strategies; and 2) be able to evaluate an investment with an SROI (social return on investment) framework.</p>

14084	BUS	MGMT	407B	GRAD	SF	Impact Investing	This course will explore the rise of investments aimed simultaneously at social, environmental, and financial returns. Students will: 1) understand how impact investing works and the growing spectrum of investment firms with impact investing strategies; and 2) be able to evaluate an investment with an SROI (social return on investment) framework.
12773	BUS	MGMT	441E	GRAD	SF	Bus. Ethics & Resp. Leadership	Enrollment is restricted to students in the Executive MBA Program. This course combines Quinlan's core business ethics course with contemporary instruction in leadership. Students will develop a framework for ethical decision making and the leadership strength needed to advance business decisions.
14091	BUS	FINC	450B	GRAD	SF	FINC for a Sustainable World	The goal of this course is to provide students with an understanding of managerial finance: valuation, capital investment, financing, capital structure, and business ethics as they relate to finance. Outcome: Students will demonstrate knowledge of financial analysis, time value of money, risk-reward, asset valuation, capital budgeting, capital structure, and working capital management.
14091	BUS	FINC	450B	GRAD	SF	FINC for a Sustainable World	The goal of this course is to provide students with an understanding of managerial finance: valuation, capital investment, financing, capital structure, and business ethics as they relate to finance. Outcome: Students will demonstrate knowledge of financial analysis, time value of money, risk-reward, asset valuation, capital budgeting, capital structure, and working capital management.
12786	BUS	MGMT	472E	GRAD	SF	Organizational Change & Dev.	Enrollment is restricted to students in the Executive MBA Program. Explores the complexity and dynamics of change in organizations. Topics covered include organization development, managing resistance, and change leadership.

12786	BUS	MGMT	472E	GRAD	SF	Organizational Change & Dev.	Enrollment is restricted to students in the Executive MBA Program. Explores the complexity and dynamics of change in organizations. Topics covered include organization development, managing resistance, and change leadership.
12956	BUS	ISSCM	486E	GRAD	SF	Global Supply Chain Management	Explores the current business revolution in global logistics and partnering by members of the supply chain to more effectively provide products and services to customers. Must be part of the Cohort of Executive MBA (EMBA) students to enroll.
13164	BUS	MARK	320	UG	SF	MARK Env. Sustainability	The course shows students how to use marketing to address the complexities of sustainability including: climate change, poverty, food shortages, oil depletion and species extinction. Design-for-environment, full-cost pricing, greening the channels of distribution and life-cycle impact are some of the concepts covered in this course. Prerequisites: MARK 201 and Junior Standing Outcomes: Provide students with the knowledge and skills needed to develop marketing products that contribute to environmental sustainability.
13164	BUS	MARK	320	UG	SF	MARK Env. Sustainability	The course shows students how to use marketing to address the complexities of sustainability including: climate change, poverty, food shortages, oil depletion and species extinction. Design-for-environment, full-cost pricing, greening the channels of distribution and life-cycle impact are some of the concepts covered in this course. Prerequisites: MARK 201 and Junior Standing Outcomes: Provide students with the knowledge and skills needed to develop marketing products that contribute to environmental sustainability.

13164	BUS	MARK	320	UG	SF	MARK Env. Sustainability	The course shows students how to use marketing to address the complexities of sustainability including: climate change, poverty, food shortages, oil depletion and species extinction. Design-for-environment, full-cost pricing, greening the channels of distribution and life-cycle impact are some of the concepts covered in this course. Prerequisites: MARK 201 and Junior Standing Outcomes: Provide students with the knowledge and skills needed to develop marketing products that contribute to environmental sustainability.
13164	BUS	MARK	320	UG	SF	MARK Env. Sustainability	The course shows students how to use marketing to address the complexities of sustainability including: climate change, poverty, food shortages, oil depletion and species extinction. Design-for-environment, full-cost pricing, greening the channels of distribution and life-cycle impact are some of the concepts covered in this course. Prerequisites: MARK 201 and Junior Standing Outcomes: Provide students with the knowledge and skills needed to develop marketing products that contribute to environmental sustainability.
2438	BUS	ECON	325	UG	SF	Econ of Development & Growth	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201 and 202. This course describes and analyzes the problems and policy issues facing developing countries and the third world with respect to their economic and social policies and programs. Outcome: The students are trained to evaluate the economic conditions that are conducive to economic growth and critically assess ethical arguments as they relate to growth, trade, and poverty in emerging countries. The role of leadership is emphasized.

2441	BUS	ECON	328	UG	SF	Environmental Economics	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201. This course applies economic theory to environmental and natural resource problems and policies, investigates the role economic incentives play, and discusses externalities, property rights, common property problems, pollution and pollution control, and renewable and non-renewable resource management. Outcome: Students will understand that environmental problems are fundamentally economic problems that come about because there is a market failure (e.g., an externality or public good) and that environmental problems have economic solutions.
2441	BUS	ECON	328	UG	SF	Environmental Economics	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201. This course applies economic theory to environmental and natural resource problems and policies, investigates the role economic incentives play, and discusses externalities, property rights, common property problems, pollution and pollution control, and renewable and non-renewable resource management. Outcome: Students will understand that environmental problems are fundamentally economic problems that come about because there is a market failure (e.g., an externality or public good) and that environmental problems have economic solutions.
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?

10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?

10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
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10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
10070	BUS	MGMT	341	UG	SF	Ethics in Business	Prerequisite: Junior standing; minimum grade of C- in MGMT 201 or HSM 368 and ECON 202. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
12374	BUS	ACCT	315H	UG	SF	Law/Rgltry Enviro I - Honors	Prerequisites: Junior standing; restricted to SBA honors students. This course is designed to familiarize the student with the American legal system. Intended primarily for students who have not previously studied law, the course includes a review of the concept of law, the function of the courts, and the dual judicial system of the United States. An appreciation of legal history and the operation of law are developed through the vehicle of a detailed analysis of contract law and a survey of other topical headings. Outcomes: The students should achieve an awareness of the necessity of voluntary compliance with general legal concepts in order for society to enable all persons to live together in harmony. An understanding of the court system as a substitute for self-help is deemed essential and knowledge of binding contract law is fostered as a basis for all agreements.

12377	BUS	MGMT	341H	UG	SF	Ethics in Business - Honors	Prerequisites: Junior standing; minimum grade of "C-" in MGMT 201 or MGMT 201H and ECON 202 or ECON 202H; restricted to SBA honors students. This course focuses on ethical issues in the world of business and commerce. This course will address a number of interrelated questions: What are the rights and obligations of business in society? Can businesses "do good" and "do well"? Is business ethics a viable goal or an unachievable ideal?
1066	BUS	ACCT	400	GRAD	SR	Finc Acct Bus Decisions	This course is an introduction to the accounting function that is used to measure and communicate business transactions. The focus is on understanding financial information to facilitate better decisions. Outcome: Students will be able to identify the impact of business transactions on the basic financial statements: the income statement, the statement of financial position, the cash flow statement, and the statement of changes in owners' equity. Students will also be able to demonstrate an understanding of the financial statements and their implications on various business decisions.
1066	BUS	ACCT	400	GRAD	SR	Finc Acct Bus Decisions	This course is an introduction to the accounting function that is used to measure and communicate business transactions. The focus is on understanding financial information to facilitate better decisions. Outcome: Students will be able to identify the impact of business transactions on the basic financial statements: the income statement, the statement of financial position, the cash flow statement, and the statement of changes in owners' equity. Students will also be able to demonstrate an understanding of the financial statements and their implications on various business decisions.

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1066	BUS	ACCT	400	GRAD	SR	Finc Acct Bus Decisions	This course is an introduction to the accounting function that is used to measure and communicate business transactions. The focus is on understanding financial information to facilitate better decisions. Outcome: Students will be able to identify the impact of business transactions on the basic financial statements: the income statement, the statement of financial position, the cash flow statement, and the statement of changes in owners' equity. Students will also be able to demonstrate an understanding of the financial statements and their implications on various business decisions.
9972	BUS	HRER	418	GRAD	SR	Human Resources Law	This course will introduce students, by a combination of statutory case law analysis and readings, to the substantive case law in the area of employee-employer relations' law. The statutes and case law encompass the following: National Labor Relations Act, Title VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act (ADEA), Americans with Disabilities Act (ADA), Civil Rights Act of 1991, Illinois Human Rights Act, and Illinois Employment Law Statutes and Regulations. Learning Outcomes The primary purpose of this course is to introduce graduate students to a practical examination of the principles of "employee-employer" relations law, also called human resources law or personnel law. Students will be exposed to the principle theories, policies and literature concerning the relevant federal and state (Illinois) court case law and government regulations of the employee-employer relationship in primarily the private sector.

2458	BUS	ECON	420	GRAD	SR	Managerial Economics	Prerequisite: ISSCM 400 OR ISSCM 400N This course uses tools of economic analysis to understand demand, supply, profits, production, competition, pricing policies, business criteria for investment, output, and marketing decisions. Outcome: Students are able to do critical managerial decisions with respect to output and pricing policies in different business and industrial environments.
2458	BUS	ECON	420	GRAD	SR	Managerial Economics	Prerequisite: ISSCM 400 OR ISSCM 400N This course uses tools of economic analysis to understand demand, supply, profits, production, competition, pricing policies, business criteria for investment, output, and marketing decisions. Outcome: Students are able to do critical managerial decisions with respect to output and pricing policies in different business and industrial environments.
2458	BUS	ECON	420	GRAD	SR	Managerial Economics	Prerequisite: ISSCM 400 OR ISSCM 400N This course uses tools of economic analysis to understand demand, supply, profits, production, competition, pricing policies, business criteria for investment, output, and marketing decisions. Outcome: Students are able to do critical managerial decisions with respect to output and pricing policies in different business and industrial environments.
2458	BUS	ECON	420	GRAD	SR	Managerial Economics	Prerequisite: ISSCM 400 OR ISSCM 400N This course uses tools of economic analysis to understand demand, supply, profits, production, competition, pricing policies, business criteria for investment, output, and marketing decisions. Outcome: Students are able to do critical managerial decisions with respect to output and pricing policies in different business and industrial environments.

9988	BUS	HRER	422	GRAD	SR	Global HR Management	<p>This course examines the critical roles of Human Resource professionals throughout the strategic globalization process, as well as the cross-cultural issues that affect organizational dynamics and behaviors central to Human Resource processes, such as staffing, training, motivation, negotiation, team-building, and communication. Learning Outcomes To survey the three types of topics covered by the field of Global HRM:</p> <p>1.?management of human resources in global corporations  2.?management of expatriate employees 3.?comparison of HRM practices in a variety of different countries. To consider special topics at the forefront of global HR, such as effects of NAFTA and the European Union, global ethics, and critiques of globalization.</p>
9988	BUS	HRER	422	GRAD	SR	Global HR Management	<p>This course examines the critical roles of Human Resource professionals throughout the strategic globalization process, as well as the cross-cultural issues that affect organizational dynamics and behaviors central to Human Resource processes, such as staffing, training, motivation, negotiation, team-building, and communication. Learning Outcomes To survey the three types of topics covered by the field of Global HRM:</p> <p>1.?management of human resources in global corporations  2.?management of expatriate employees 3.?comparison of HRM practices in a variety of different countries. To consider special topics at the forefront of global HR, such as effects of NAFTA and the European Union, global ethics, and critiques of globalization.</p>
1077	BUS	ACCT	424	GRAD	SR	Managerial Accounting	<p>Prerequisite: ACCT 400 or equivalent. Topics include product costing and activity based costing concepts, development and analysis of information for short-run and long-run decision making, the impact of accounting information on divisional performance, cost estimation and cost-volume-profit analysis, segment analysis, transfer pricing, budgeting concepts, and behavioral issues associated with accounting information.</p> <p>Outcome: Develop and use managerial accounting information for operational and strategic decision making.</p>

1077	BUS	ACCT	424	GRAD	SR	Managerial Accounting	Prerequisite: ACCT 400 or equivalent. Topics include product costing and activity based costing concepts, development and analysis of information for short-run and long-run decision making, the impact of accounting information on divisional performance, cost estimation and cost-volume-profit analysis, segment analysis, transfer pricing, budgeting concepts, and behavioral issues associated with accounting information. Outcome: Develop and use managerial accounting information for operational and strategic decision making.
1078	BUS	ACCT	425	GRAD	SR	International Accounting	This course explores the similarities and differences of accounting principles and procedures between the United States and other countries. Topics include consolidation of foreign subsidiaries, performance evaluation of foreign operations, translation issues, inflation accounting, and efforts at standardization of accounting rules. Outcome: Students will become familiar with international accounting issues including accounting harmonization, pronouncements of the International Accounting Standards Board, transfer pricing, foreign currency financial statements, foreign exchange, and international taxation.
5214	BUS	MGMT	441	GRAD	SR	Business Ethics	This course examines the ethical aspects of individual and corporate decision making in business and provides resources for making ethical decisions within the context of managerial practice. Outcome: Students will be acquainted with the concepts and principles of ethical reasoning that have been developed in ethical theory; be aware of the specific ethical issues that arise in management and of the ways in which these issues are commonly analyzed; and be able to make sound ethical and managerial decisions and to implement those decisions within the context of an organization in a competitive marketplace.

5214	BUS	MGMT	441	GRAD	SR	Business Ethics	<p>This course examines the ethical aspects of individual and corporate decision making in business and provides resources for making ethical decisions within the context of managerial practice. Outcome: Students will be acquainted with the concepts and principles of ethical reasoning that have been developed in ethical theory; be aware of the specific ethical issues that arise in management and of the ways in which these issues are commonly analyzed; and be able to make sound ethical and managerial decisions and to implement those decisions within the context of an organization in a competitive marketplace.</p>
5214	BUS	MGMT	441	GRAD	SR	Business Ethics	<p>This course examines the ethical aspects of individual and corporate decision making in business and provides resources for making ethical decisions within the context of managerial practice. Outcome: Students will be acquainted with the concepts and principles of ethical reasoning that have been developed in ethical theory; be aware of the specific ethical issues that arise in management and of the ways in which these issues are commonly analyzed; and be able to make sound ethical and managerial decisions and to implement those decisions within the context of an organization in a competitive marketplace.</p>
5216	BUS	MGMT	446	GRAD	SR	Intrntl Business Ethics	<p>This is an advanced business ethics course that addresses the ethical issues that arise in the global business environment, including the standards for the operation of multinational corporations and the ethical perspectives of managers in different countries. Outcome: Students will understand the specific ethical problems of international business and of different ethical perspectives; develop skills for personal decision making and for developing and implementing ethical corporate policies in international business; and learn how to work toward more effective background institutions and forms of international business regulation.</p>

3020	BUS	FINC	455	GRAD	SR	International Financial Mgmt	Prerequisite: FINC 450 or by Department Consent This course examines the international dimensions of financial management. It introduces potential opportunities/challenges faced by multinational corporations as they expand their business overseas. Outcome: Students will be able to demonstrate understanding of foreign exchange markets, fundamental international parity relationships, foreign exchange risk management strategies, and capital budgeting for multinational corporations.
4971	BUS	MARK	460	GRAD	SR	Marketing Management	This course develops a broad understanding of the marketing principles that undergird successful marketing strategies and marketing plans with special attention given to international and ethical considerations. Outcome: Students use and apply marketing principles, strategic research, consumer analysis and target marketing to either a project or to case studies.
4972	BUS	MARK	461	GRAD	SR	Rsrch Meths in Marketing	Prerequisites: MARK 460 and ISSCM 491. This course develops an understanding of the marketing research process and the role of survey research in it. Outcome: Students formulate research problems and a design research study, including the development of a questionnaire, selection of an appropriate sample and data analysis.
4974	BUS	MARK	463	GRAD	SR	Sales and Strategic Leadership	Prerequisites: MARK 460. This course develops an understanding of the tools and techniques required for developing a sales force and for managing revenue generation within organizations. Outcome: Students apply processes for hiring and managing sales professionals; tools for successful account management; and skills in solving revenue generation problems facing profit and non-profit organizations.

4975	BUS	MARK	464	GRAD	SR	Integrated Marketing Comm.	Prerequisites: MARK 460; MARK 467 is recommended. This course develops an understanding of how advertising, sales promotion, public relations, personal selling and in some cases packaging decisions form a coordinated marketing communications plan. Outcomes: Students apply the elements of integrated marketing communications and develop a coordinated Marketing Communications plan for a project or case study.
4975	BUS	MARK	464	GRAD	SR	Integrated Marketing Comm.	Prerequisites: MARK 460; MARK 467 is recommended. This course develops an understanding of how advertising, sales promotion, public relations, personal selling and in some cases packaging decisions form a coordinated marketing communications plan. Outcomes: Students apply the elements of integrated marketing communications and develop a coordinated Marketing Communications plan for a project or case study.
4978	BUS	MARK	467	GRAD	SR	Consumer Behavior	Prerequisites: MARK 460. This course develops an understanding of how consumers behave before, during, and after the consumption process by exploring both the micro-level mental processes that impact consumer decision-making as well as the macro-level cultural and social influences on consumer behavior. Outcomes: Students apply course concepts and theories to develop a consumer analysis and marketing strategies for a firm or non-profit organization. Outcome:

4978	BUS	MARK	467	GRAD	SR	Consumer Behavior	Prerequisites: MARK 460. This course develops an understanding of how consumers behave before, during, and after the consumption process by exploring both the micro-level mental processes that impact consumer decision-making as well as the macro-level cultural and social influences on consumer behavior. Outcomes: Students apply course concepts and theories to develop a consumer analysis and marketing strategies for a firm or non-profit organization. Outcome:
4979	BUS	MARK	468	GRAD	SR	Digital Marketing	Prerequisites: MARK 460 or by Department Consent. This course develops an understanding of the Internet as part of an overall marketing strategy by considering the ways in which the Internet has changed marketing and business. The course covers topics such as online consumer behavior, web analytics, online advertising, email, social media, mobile, and search engine marketing (paid and organic). In addition to learning fundamental principles of digital channels, students will apply the learned principles in a class project; example projects include creating a paid search campaign for a client, running a digital marketing simulation, writing a digital marketing plan, or conducting a social media audit. Outcome: Students develop the power to act effectively by using technology in increasingly complex buying environments.
4979	BUS	MARK	468	GRAD	SR	Digital Marketing	Prerequisites: MARK 460 or by Department Consent. This course develops an understanding of the Internet as part of an overall marketing strategy by considering the ways in which the Internet has changed marketing and business. The course covers topics such as online consumer behavior, web analytics, online advertising, email, social media, mobile, and search engine marketing (paid and organic). In addition to learning fundamental principles of digital channels, students will apply the learned principles in a class project; example projects include creating a paid search campaign for a client, running a digital marketing simulation, writing a digital marketing plan, or conducting a social media audit. Outcome: Students develop the power to act effectively by using technology in increasingly complex buying environments.

4181	BUS	ISSCM	480	GRAD	SR	Intro to Operations Mgmt	Introduction to concepts and methods for managing operations in manufacturing and service organizations. Topics typically include forecasting, capacity and aggregate planning, material requirements planning, scheduling, facility layout and location, inventory management, just-in-time, total quality management, project planning, and logistics. Outcome: Students will understand the basic issues and role of operations management in organizations and learn tools for problem-solving in operations management.
4181	BUS	ISSCM	480	GRAD	SR	Intro to Operations Mgmt	Introduction to concepts and methods for managing operations in manufacturing and service organizations. Topics typically include forecasting, capacity and aggregate planning, material requirements planning, scheduling, facility layout and location, inventory management, just-in-time, total quality management, project planning, and logistics. Outcome: Students will understand the basic issues and role of operations management in organizations and learn tools for problem-solving in operations management.
12083	BUS	MGMT	480	GRAD	SR	Recognizing Entrepreneuria I Op	This course will focus on the very early stages of the entrepreneurial process. We will discuss how new opportunities are discovered and how societal value is created throughout this process. In its approach, the course will be based on classic theoretical readings, the insights of economics, strategic management, organizational studies, psychology and cognitive science. Outcomes: Apply analytical and critical thinking skills to identify untapped entrepreneurial opportunities.

12083	BUS	MGMT	480	GRAD	SR	Recognizing Entrepreneurial Op	This course will focus on the very early stages of the entrepreneurial process. We will discuss how new opportunities are discovered and how societal value is created throughout this process. In its approach, the course will be based on classic theoretical readings, the insights of economics, strategic management, organizational studies, psychology and cognitive science. Outcomes: Apply analytical and critical thinking skills to identify untapped entrepreneurial opportunities.
10488	BUS	MGMT	483	GRAD	SR	Strat Entrepren&Innov Mgmt	This course will focus on the application of strategic management tools to entrepreneurial situations with an emphasis on the early stages of new venture creation. We will discuss how new opportunities are discovered, how inventions are turned into innovations, and how societal value is created throughout this process. At the end of this course, you will be able to: Recognize and discover entrepreneurial opportunities; Manage the creation and appropriation of the value generated by innovations; Apply analytical and critical thinking skills in an uncertain business environment; Apply your learning in a real-life project.
10488	BUS	MGMT	483	GRAD	SR	Strat Entrepren&Innov Mgmt	This course will focus on the application of strategic management tools to entrepreneurial situations with an emphasis on the early stages of new venture creation. We will discuss how new opportunities are discovered, how inventions are turned into innovations, and how societal value is created throughout this process. At the end of this course, you will be able to: Recognize and discover entrepreneurial opportunities; Manage the creation and appropriation of the value generated by innovations; Apply analytical and critical thinking skills in an uncertain business environment; Apply your learning in a real-life project.

13276	BUS	MGMT	485	GRAD	SR	Social Enterprise	Social enterprise seeks to create ventures that provide critical social services in innovative ways using the concepts and methods of business. This course aims to prepare students to engage in social enterprise by focusing on how to create social value by business means; how to start and sustain an entrepreneurial social venture; how to scale social innovation and grow an organization; how to obtain funding and generate earned revenue; how to adopt an appropriate legal governance structure and tax status; and how to measure, document, and communicate social impact.
12389	BUS	ISSCM	489	GRAD	SR	Supply Chain Analytics	Prerequisite: Graduate School of Business students. A study of the design, development, and use of decision models for analysis of supply chain problems. This course provides an example-driven approach to learn about important supply chain models, problems, and solution methodologies. The objectives of this course are to develop valuable modeling skills that students can appreciate and use effectively. Outcomes: Students will have developed an understanding of the issues involved in the use of decision support tools for analysis of supply chain problems.
4190	BUS	ISSCM	491	GRAD	SR	Managerial Statistics	The fundamentals of managerial statistics are presented. Topics may include descriptive statistics, random variables, probability distributions, estimation, hypothesis testing, regression, and correlation analysis. Statistical software is used to assist in the analysis of these problems. Outcome: Students will be able to demonstrate understanding of statistical thinking and data analysis technique for decision-making purposes.

4190	BUS	ISSCM	491	GRAD	SR	Managerial Statistics	The fundamentals of managerial statistics are presented. Topics may include descriptive statistics, random variables, probability distributions, estimation, hypothesis testing, regression, and correlation analysis. Statistical software is used to assist in the analysis of these problems. Outcome: Students will be able to demonstrate understanding of statistical thinking and data analysis technique for decision-making purposes.
9771	BUS	HCMT	502	GRAD	SR	Healthcare Economics	
10723	BUS	HCMT	505	GRAD	SR	Health Care Business Ethics	
12392	BUS	ISSCM	589	GRAD	SR	Supply Chain Mgmt Consulting	Prerequisite: SCMG 480 Intro to Operations Mgmt; Graduate School of Business students. This course is the capstone of the Supply Chain Management Portfolio of the Master of Science in Supply Chain Management curriculum. As such, it is designed to integrate course topics covered in the foundation courses and engage students in discussions of critical supply chain leadership topics. Outcomes: Students will have developed an understanding of how to apply the concepts learned throughout the Supply Chain Management curriculum to a variety of full scale problems.
10886	BUS	FINC	625	GRAD	SR	Applied Econometrics	Prerequisite: ECON 420 and ISSCM 491 The purpose of this course is to help students understand feasible econometric techniques in order to mine information to understand economic and financial patterns and to forecast. A rigorous exposition of the theory behind econometric techniques will help students understand the issues raised in different published papers. Topics of econometric techniques covered in this course include panel data analysis, time-series models, discrete choice models, and methods to identify causality between variables. Practical applications will prepare students to use these methods in their own projects.

13928	BUS	MGMT	400B	GRAD	SR	Values-Based Leadership	<p>This course will explore major approaches to leadership that are based on personal and organizational values. Students will have an opportunity to explore their own values and approach to leadership and be challenged to identify opportunities for improvement. Outcomes Students will: 1) learn and understand fundamental and diverse principles and theories of leadership and management; 2) develop a clearer understanding of and commitment to personal values as a way of developing a sound basis for making personal and professional decisions; 3) apply what they learn in this course to clarify thinking on leadership and to solve problems in the future; 4) learn to analyze and critically evaluate different ideas, concepts and points of view on the concepts of leadership and management; 5) develop a personal style that will begin to answer the question ¿What kind of leader do I want to be?¿; 6) Understand the meaning of ¿vocation¿ and how it applies to each student¿s life.</p>
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13927	BUS	MGMT	401B	GRAD	SR	Innovative Corp Social Respons	<p>This course will analyze why and how global businesses are innovating to address corporate responsibility expectations. The course will focus on companies that are co-creating value and will examine impacts from businesses, civil society and public policy that enhance (or detract from) competitiveness. Outcomes Students will be able to: 1) examine the interaction between market and civil society institutions in the development of corporate responsibility initiatives; 2) demonstrate understanding of changing legal, social, and political environments as they affect organizations; and 3) analyze organizational situations, identify key issues, and formulate arguments and appropriate ways to innovatively implement changes.</p>
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14065	BUS	HRER	417N	GRAD	SR	Managing and Motivating	<p>Students research a global HR challenge, and develop written and oral communications focused on resolving the challenge that are presented to an executive panel at the end of the class. Students lead multiple in-class presentations and case analysis writing. Readings provide insight on building an inclusive work environment and resolving conflict. Restricted to MBA students only (1 year and flex) Outcomes: Global Perspective &amp; Awareness of Diversity: developing a global perspective and appreciating diversity, including culture, race, religion, and gender. Communication Skills: communicating effectively in an oral and written manner.</p>

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14082	BUS	ECON	420B	GRAD	SR	Managerial Economics	This course uses tools of economic analysis to understand demand, supply, profits, production, competition, pricing policies, business criteria for investment, output, and marketing decisions. Outcome: Students are able to do critical managerial decisions with respect to output and pricing policies in different business and industrial environments.

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12791	BUS	ECON	424E	GRAD	SR	Global Issues in Economics	Enrollment is restricted to students in the Executive MBA Program. Examines the role of prices, incomes, interest rates, exchange rates, trade policy, and the global monetary system in determining the movement of outputs and inputs across national boundaries. The gains from trade and the conflicts created by the manner in which those gains are distributed provide a foundation for examining current issues.
14083	BUS	MGMT	430B	GRAD	SR	Strategy and Leadership	The MBA Capstone explores the manner in which companies develop and implement a strategic plan and examines characteristics of effective general managers and leaders. This course is restricted to students in the MBA program and should be taken during the student's final quarter. Outcomes: Students will develop an explicit personal way of thinking about the business enterprise as a total system and the manner in which it can gain a sustainable competitive advantage by drafting a complete business plan for a start-up entity. Students will also sharpen their team, analytical, writing, and presentation skills and begin to evaluate the type of leadership skills they will need to move into increasingly more responsible positions inside organizations.



14081	BUS	MGMT	441B	GRAD	SR	Business Ethics	This course examines the ethical aspects of individual and corporate decision making in business and provides resources for making ethical decisions within the context of managerial practice. Outcome: Students will be acquainted with the concepts and principles of ethical reasoning that have been developed in ethical theory; be aware of the specific ethical issues that arise in management and of the ways in which these issues are commonly analyzed; and be able to make sound ethical and managerial decisions and to implement those decisions within the context of an organization in a competitive marketplace.
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14062	BUS	MGMT	441N	GRAD	SR	Business Ethics	Students are introduced to theories about social and political institutions, and how they affect our ability to make moral decisions. Topics may include: social psychology, capitalism and its critics, democratic theory, labor relations, and social inequalities. Classes are dedicated to understanding and engaging with social and political theory on this topic. Assignments will involve students using these theories to critically assess corporate practices and contexts. School of Business graduate degree students Outcomes: Global Perspective & Awareness of Diversity: developing a global perspective and appreciating diversity, including class, culture, race, religion, and gender. Communication Skills: communicating complex moral and philosophical ideas effectively and appropriately in an oral and written manner.

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14229	BUS	ISSCM	480B	GRAD	SR	Operations Management	This course explores concepts and methods for managing operations, including forecasting, capacity and aggregate planning, sustainable management, material requirements planning, scheduling, project planning, logistics, supply chain transparency, and supplier diversity. Prerequisites: Restricted to MBA Baumhart Scholars students Outcomes: Students will understand the basic issues and role of operations management in organizations and learn tools for problem-solving in operations management.
14089	BUS	ISSCM	595B	GRAD	SR	Decision Strategy Critical Thk	Making good decisions in face of uncertainty and risk is at the heart of successful management. This course provides a coherent set of critical thinking and decision analysis tools that are used to carve out well-structured decision models from ill-structured real-life problems and perform analyses to generate insights. Outcomes:The course introduces students to a variety of tools that will improve their critical reasoning skills and ultimately the ability to make effective decisions.
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14067	BUS	ISSCM	595N	GRAD	SR	Decision Strategy	<p>Making good decisions in face of uncertainty and risk is at the heart of successful management. This course provides a coherent set of critical thinking and decision analysis tools that are used to carve out well-structured decision models from ill-structured real-life problems and perform analyses to generate insights. Restricted to School of Business graduate degree students Outcomes:The course introduces students to a variety of tools that will improve their critical reasoning skills and ultimately the ability to make effective decisions.</p>
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13957	BUS	EXED	197	UG	SR	SHRM	Participants will learn HR principals for prep for the SHRM Certification Classes. Outcome: To have more knowledge of human resource practices.

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14037	BUS	EXED	199	UG	SR	Peco Foods	Participants will learn more supply chain skills and how to communicate these skills to their groups. Outcomes: To have more knowledge of business skills in cultivation.
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9852	BUS	MARK	201	UG	SR	Fundamentals of Marketing	Prerequisite: Sophomore standing. This course develops an understanding of the marketing systems by which organizations plan, price, promote and distribute products and services to selected target markets. Outcome: Students analyze market conditions and apply the basic tools to develop marketing strategies to successfully meet the customers' needs resulting in a viable, profitable organization.
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10263	BUS	MGMT	201	UG	SR	Managing People & Organizations	Prerequisite: Sophomore standing. This course introduces students to the dynamics of human behavior in the workplace through the study of such topics as perception, learning, motivation, leadership and group behavior. Outcome: Students will learn principles of interpersonal influence, conflict resolution, and effective group behavior and develop an awareness of ethical issues in the workplace and organizational social responsibility.

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10263	BUS	MGMT	201	UG	SR	Managing People & Organizations	Prerequisite: Sophomore standing. This course introduces students to the dynamics of human behavior in the workplace through the study of such topics as perception, learning, motivation, leadership and group behavior. Outcome: Students will learn principles of interpersonal influence, conflict resolution, and effective group behavior and develop an awareness of ethical issues in the workplace and organizational social responsibility.
10263	BUS	MGMT	201	UG	SR	Managing People & Organizations	Prerequisite: Sophomore standing. This course introduces students to the dynamics of human behavior in the workplace through the study of such topics as perception, learning, motivation, leadership and group behavior. Outcome: Students will learn principles of interpersonal influence, conflict resolution, and effective group behavior and develop an awareness of ethical issues in the workplace and organizational social responsibility.
10263	BUS	MGMT	201	UG	SR	Managing People & Organizations	Prerequisite: Sophomore standing. This course introduces students to the dynamics of human behavior in the workplace through the study of such topics as perception, learning, motivation, leadership and group behavior. Outcome: Students will learn principles of interpersonal influence, conflict resolution, and effective group behavior and develop an awareness of ethical issues in the workplace and organizational social responsibility.

11488	BUS	MGMT	201	UG	SR	Intro to Entrepreneurship	Introduces students to the process of innovation & how to think like an entrepreneur. Students will learn how new venture ideas are conceived, vetted & tested. Course knowledge & skills presented through combination of theory & application that will prepare students to move to next level of entrepreneurial studies. Students gain insight into process of innovation & entrepreneurial mindset. Students able to identify problems in marketplace & translate these ideas into viable products & services.
11488	BUS	MGMT	201	UG	SR	Intro to Entrepreneurship	Introduces students to the process of innovation & how to think like an entrepreneur. Students will learn how new venture ideas are conceived, vetted & tested. Course knowledge & skills presented through combination of theory & application that will prepare students to move to next level of entrepreneurial studies. Students gain insight into process of innovation & entrepreneurial mindset. Students able to identify problems in marketplace & translate these ideas into viable products & services.
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14115	BUS	EXED	205	UG	SR	DEI	Classes for Baumhart Center. Outcome: Business Acumen skill sets.
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14115	BUS	EXED	205	UG	SR	DEI	Classes for Baumhart Center. Outcome: Business Acumen skill sets.
5194	BUS	MGMT	304	UG	SR	Strategic Management	This is a capstone course that analyzes the responsibilities of general management in formulating, communicating and implementing a strategic plan. Through case studies, the course applies the principles of strategic analysis to business situations so as to integrate all of the core courses in the undergraduate business program. Pre-requisites: MGMT 201, MARK 201, FINC 332, SCMG 332, (FINC 301 or FINC 334) with grades of C- or better. Senior standing or above. Outcomes: Students will develop executive and general management skills through an understanding of how the various functions of an organization operate as a whole. Students will also build their skills in conducting strategic analyses in a variety of industries and competitive situations and gain a stronger understanding of the competitive challenges of the market environment.

5194	BUS	MGMT	304	UG	SR	Strategic Management	This is a capstone course that analyzes the responsibilities of general management in formulating, communicating and implementing a strategic plan. Through case studies, the course applies the principles of strategic analysis to business situations so as to integrate all of the core courses in the undergraduate business program. Pre-requisites: MGMT 201, MARK 201, FINC 332, SCMG 332, (FINC 301 or FINC 334) with grades of C- or better. Senior standing or above. Outcomes: Students will develop executive and general management skills through an understanding of how the various functions of an organization operate as a whole. Students will also build their skills in conducting strategic analyses in a variety of industries and competitive situations and gain a stronger understanding of the competitive challenges of the market environment.
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4949	BUS	MARK	310	UG	SR	Consumer Behavior	Prerequisites: Junior standing, minimum grade of "C-" in MARK 201. This course develops an understanding of how consumers behave before, during and after the consumption process through a discussion of cultural, social and perceptual factors. Outcome: Students evaluate consumer behavior and apply their understanding in the creation of a marketing plan designed to improve the brand equity of a firm.
4949	BUS	MARK	310	UG	SR	Consumer Behavior	Prerequisites: Junior standing, minimum grade of "C-" in MARK 201. This course develops an understanding of how consumers behave before, during and after the consumption process through a discussion of cultural, social and perceptual factors. Outcome: Students evaluate consumer behavior and apply their understanding in the creation of a marketing plan designed to improve the brand equity of a firm.
4949	BUS	MARK	310	UG	SR	Consumer Behavior	Prerequisites: Junior standing, minimum grade of "C-" in MARK 201. This course develops an understanding of how consumers behave before, during and after the consumption process through a discussion of cultural, social and perceptual factors. Outcome: Students evaluate consumer behavior and apply their understanding in the creation of a marketing plan designed to improve the brand equity of a firm.
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4951	BUS	MARK	311	UG	SR	Marketing Research	Prerequisites: Junior standing, minimum grade of "C-" in MARK 310 and ISSCM 241. This course develops an understanding of the research process from problem formulation through research report preparation. Both qualitative and quantitative research methodologies are discussed. The focus is on using research results in marketing decision making. Empirical data are analyzed using state of the art analytical tools. Outcomes: Students identify managerial problems, research objectives, design data collection instruments, and sampling procedures. Data collection and analysis is discussed. Cases, exercises and/or a written research proposal or report is a primary outcome of the course.
4951	BUS	MARK	311	UG	SR	Marketing Research	Prerequisites: Junior standing, minimum grade of "C-" in MARK 310 and ISSCM 241. This course develops an understanding of the research process from problem formulation through research report preparation. Both qualitative and quantitative research methodologies are discussed. The focus is on using research results in marketing decision making. Empirical data are analyzed using state of the art analytical tools. Outcomes: Students identify managerial problems, research objectives, design data collection instruments, and sampling procedures. Data collection and analysis is discussed. Cases, exercises and/or a written research proposal or report is a primary outcome of the course.
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14239	BUS	MARK	312	UG	SR	Gender and Marketing	How do the 4Ps of Marketing, product, price, place, and promotion, influence gender, and how does gender influence the 4Ps? Students will learn how to address the relationship between Gender and Marketing. Example topics may include, but are not limited to, Masculinity, Media, and Marketing, Women, Media, and Marketing, and Millennials, Gender and Marketing. Prerequisites: Junior standing; Minimum grade of "C-" in MARK 201 Outcomes: Understand how marketing strategy reflects and shapes socio-cultural norms so that you can build strategies that reflect and shape those norms. Learn how research on social trends is conducted and how it is used in strategy, so that you can perform such research in marketing contexts.

4937	BUS	ACCT	315	UG	SR	Law/Rgltry Environ Bus I	Prerequisite: Junior standing. This course is designed to familiarize the student with the American legal system. Intended primarily for students who have not previously studied law, the course includes a review of the concept of law, the function of the courts, and the dual judicial system of the United States. An appreciation of legal history and the operation of law are developed through the vehicle of a detailed analysis of contract law and a survey of other topical headings. Outcome: The students should achieve an awareness of the necessity of voluntary compliance with general legal concepts in order for society to enable all persons to live together in harmony. An understanding of the court system as a substitute for self-help is deemed essential and knowledge of binding contract law is fostered as a basis for all agreements.
4937	BUS	ACCT	315	UG	SR	Law/Rgltry Environ Bus I	Prerequisite: Junior standing. This course is designed to familiarize the student with the American legal system. Intended primarily for students who have not previously studied law, the course includes a review of the concept of law, the function of the courts, and the dual judicial system of the United States. An appreciation of legal history and the operation of law are developed through the vehicle of a detailed analysis of contract law and a survey of other topical headings. Outcome: The students should achieve an awareness of the necessity of voluntary compliance with general legal concepts in order for society to enable all persons to live together in harmony. An understanding of the court system as a substitute for self-help is deemed essential and knowledge of binding contract law is fostered as a basis for all agreements.
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5199	BUS	MGMT	315	UG	SR	International Management	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201. This course analyzes the problems of managing in an international marketplace by focusing on cultural differences, political/economic influences, global market factors, and other contingencies with which managers of multinational enterprises must contend. Outcome: Students will be able to demonstrate an understanding of the major theoretical perspectives and frameworks underlying international management, as well as evaluate and develop international and cross-cultural skills through self-observation and reflection.
5199	BUS	MGMT	315	UG	SR	International Management	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201. This course analyzes the problems of managing in an international marketplace by focusing on cultural differences, political/economic influences, global market factors, and other contingencies with which managers of multinational enterprises must contend. Outcome: Students will be able to demonstrate an understanding of the major theoretical perspectives and frameworks underlying international management, as well as evaluate and develop international and cross-cultural skills through self-observation and reflection.
5199	BUS	MGMT	315	UG	SR	International Management	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201. This course analyzes the problems of managing in an international marketplace by focusing on cultural differences, political/economic influences, global market factors, and other contingencies with which managers of multinational enterprises must contend. Outcome: Students will be able to demonstrate an understanding of the major theoretical perspectives and frameworks underlying international management, as well as evaluate and develop international and cross-cultural skills through self-observation and reflection.

5199	BUS	MGMT	315	UG	SR	International Management	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201. This course analyzes the problems of managing in an international marketplace by focusing on cultural differences, political/economic influences, global market factors, and other contingencies with which managers of multinational enterprises must contend. Outcome: Students will be able to demonstrate an understanding of the major theoretical perspectives and frameworks underlying international management, as well as evaluate and develop international and cross-cultural skills through self-observation and reflection.
5202	BUS	MGMT	318	UG	SR	Organization Devel/Change	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201 or HSM 368. This course examines the theory and practice of organizational development and change, with an emphasis on effective change management. Outcome: Students will understand the complexity of change in organizations and learn how to use change interventions to manage different types of organizational changes, including the redesign of jobs and restructuring.
5202	BUS	MGMT	318	UG	SR	Organization Devel/Change	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201 or HSM 368. This course examines the theory and practice of organizational development and change, with an emphasis on effective change management. Outcome: Students will understand the complexity of change in organizations and learn how to use change interventions to manage different types of organizational changes, including the redesign of jobs and restructuring.

5202	BUS	MGMT	318	UG	SR	Organization Devel/Change	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201 or HSM 368. This course examines the theory and practice of organizational development and change, with an emphasis on effective change management. Outcome: Students will understand the complexity of change in organizations and learn how to use change interventions to manage different types of organizational changes, including the redesign of jobs and restructuring.
5202	BUS	MGMT	318	UG	SR	Organization Devel/Change	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201 or HSM 368. This course examines the theory and practice of organizational development and change, with an emphasis on effective change management. Outcome: Students will understand the complexity of change in organizations and learn how to use change interventions to manage different types of organizational changes, including the redesign of jobs and restructuring.
5202	BUS	MGMT	318	UG	SR	Organization Devel/Change	Prerequisites: Junior Standing, minimum grade of "C-" in MGMT 201 or HSM 368. This course examines the theory and practice of organizational development and change, with an emphasis on effective change management. Outcome: Students will understand the complexity of change in organizations and learn how to use change interventions to manage different types of organizational changes, including the redesign of jobs and restructuring.

2440	BUS	ECON	327	UG	SR	Amer Econ & Bus History	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201 and 202. This course emphasizes the evolution and the role of past business leaders of the American economy from the colonial times to the present, emphasizing the entrepreneurs and the environments in which they operated. Economic and business change in the period 1865-1914 receives particular attention, as do the enterprises of Chicago-area entrepreneurs. Outcome: Students learn the skills required of entrepreneurs and business leaders and their contribution to society. Students will develop an awareness of the historical dynamics that produced the current economy, and how its institutions evolved and the importance of markets in allocating resources.
2440	BUS	ECON	327	UG	SR	Amer Econ & Bus History	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201 and 202. This course emphasizes the evolution and the role of past business leaders of the American economy from the colonial times to the present, emphasizing the entrepreneurs and the environments in which they operated. Economic and business change in the period 1865-1914 receives particular attention, as do the enterprises of Chicago-area entrepreneurs. Outcome: Students learn the skills required of entrepreneurs and business leaders and their contribution to society. Students will develop an awareness of the historical dynamics that produced the current economy, and how its institutions evolved and the importance of markets in allocating resources.
4161	BUS	ISSCM	337	UG	SR	Fund of Lean Production	Prerequisites: Junior Standing, minimum grade of "C-" in SCMG 332. Methods for managing manufacturing and service operations based upon Toyota Production System. Topics include the principles of JIT and lean production, pull production, setup reduction, preventive maintenance, cellular manufacturing, employee empowerment, and supplier partnerships. Outcome: Understanding of concepts and tools for reducing waste and continuously improving operations based upon Toyota's success-proven approach.

4162	BUS	ISSCM	338	UG	SR	Global Supply Chain MGMT I	This course examines how business partners like suppliers, manufacturers, distributors, and retailers work together to gain competitive advantage in moving products and services around the world to satisfy customers. Prerequisites: Junior Standing, minimum grade of "C-" in SCMG 332. Outcome: Understanding best practices like vendor managed inventory and category management and the application of information technologies for sharing information.
4162	BUS	ISSCM	338	UG	SR	Global Supply Chain MGMT I	This course examines how business partners like suppliers, manufacturers, distributors, and retailers work together to gain competitive advantage in moving products and services around the world to satisfy customers. Prerequisites: Junior Standing, minimum grade of "C-" in SCMG 332. Outcome: Understanding best practices like vendor managed inventory and category management and the application of information technologies for sharing information.
13679	BUS	ISSCM	340	UG	SR	Global Supply Chain MGMT II	An examination of the planning and management of global supply chain operations. Emphasis placed on the areas of sourcing and procurement. Each area analyzed in terms of key goals, operational processes, technology applications and performance control mechanisms. Prerequisites: Junior Standing and minimum grade of C- in SCMG 332. Outcomes: Develop critical thinking skills concerning the supply and sourcing function. Focus on strategic issues that face a sourcing organization.

13679	BUS	ISSCM	340	UG	SR	Global Supply Chain MGMT II	An examination of the planning and management of global supply chain operations. Emphasis placed on the areas of sourcing and procurement. Each area analyzed in terms of key goals, operational processes, technology applications and performance control mechanisms. Prerequisites: Junior Standing and minimum grade of C- in SCMG 332. Outcomes: Develop critical thinking skills concerning the supply and sourcing function. Focus on strategic issues that face a sourcing organization.
13678	BUS	ISSCM	342	UG	SR	Supply Chain Modeling	This course studies various analytical methods and tools for making decisions that will lead to cost effective products, services and processes. Topics include developing decision-making optimization models and implementing those models in Excel. The course will highlight models used in supply chain management; including facility location, transportation network design and vehicle routing. Prerequisite: Junior standing and minimum grade of C- in SCMG 332 Outcome: Basic understanding of optimization modeling, implementing optimization models in Excel and problem-solving techniques.
2447	BUS	ECON	346	UG	SR	Econometrics	Prerequisites: Sophomore Standing; minimum grade of "C-" in ECON 201, 202, MATH 131 and ISSCM 241 This course teaches students how to use statistical tools to evaluate hypotheses about economic models. Outcome: Students will be able to interpret and critically analyze quantitative information related to economics. Students will understand regression analysis and understand how to use it to test economic models and to measure important economic parameters, and to predict economic relationships.

2447	BUS	ECON	346	UG	SR	Econometrics	Prerequisites: Sophomore Standing; minimum grade of "C-" in ECON 201, 202, MATH 131 and ISSCM 241 This course teaches students how to use statistical tools to evaluate hypotheses about economic models. Outcome: Students will be able to interpret and critically analyze quantitative information related to economics. Students will understand regression analysis and understand how to use it to test economic models and to measure important economic parameters, and to predict economic relationships.
2450	BUS	ECON	360	UG	SR	Economics of Labor	Prerequisites: Sophomore standing, minimum grade of "C-" in ECON 201 and 202. This course is an intensive examination of the market for labor services, and discusses wage determination, occupational and earnings differentials, diversity, investments in education, collective bargaining, and the ethical implications of labor market inequality. Outcome: Students will gain a broad understanding of how economists study labor market issues and outcomes, and be able to use critical economic reasoning to better appreciate such issues as labor force participation decisions, human capital, and the variation in wages across individuals.
4965	BUS	MARK	390	UG	SR	Marketing Strategies	Prerequisite: Senior standing, minimum grade of "C-" in MARK 310, (FINC 301 or FINC 334 or FINC 334H), (SCMG 332 or SCMG 332H), and prior or concurrent enrollment in MARK 311. This capstone course develops an understanding of all marketing decisions involved in planning marketing strategies. Outcome: Students develop a comprehensive marketing plan by applying skills in financial analysis, competitive scanning, and appropriate marketing strategies.

4965	BUS	MARK	390	UG	SR	Marketing Strategies	Prerequisite: Senior standing, minimum grade of "C-" in MARK 310, (FINC 301 or FINC 334 or FINC 334H), (SCMG 332 or SCMG 332H), and prior or concurrent enrollment in MARK 311. This capstone course develops an understanding of all marketing decisions involved in planning marketing strategies. Outcome: Students develop a comprehensive marketing plan by applying skills in financial analysis, competitive scanning, and appropriate marketing strategies.
4965	BUS	MARK	390	UG	SR	Marketing Strategies	Prerequisite: Senior standing, minimum grade of "C-" in MARK 310, (FINC 301 or FINC 334 or FINC 334H), (SCMG 332 or SCMG 332H), and prior or concurrent enrollment in MARK 311. This capstone course develops an understanding of all marketing decisions involved in planning marketing strategies. Outcome: Students develop a comprehensive marketing plan by applying skills in financial analysis, competitive scanning, and appropriate marketing strategies.
4965	BUS	MARK	390	UG	SR	Marketing Strategies	Prerequisite: Senior standing, minimum grade of "C-" in MARK 310, (FINC 301 or FINC 334 or FINC 334H), (SCMG 332 or SCMG 332H), and prior or concurrent enrollment in MARK 311. This capstone course develops an understanding of all marketing decisions involved in planning marketing strategies. Outcome: Students develop a comprehensive marketing plan by applying skills in financial analysis, competitive scanning, and appropriate marketing strategies.

4965	BUS	MARK	390	UG	SR	Marketing Strategies	Prerequisite: Senior standing, minimum grade of "C-" in MARK 310, (FINC 301 or FINC 334 or FINC 334H), (SCMG 332 or SCMG 332H), and prior or concurrent enrollment in MARK 311. This capstone course develops an understanding of all marketing decisions involved in planning marketing strategies. Outcome: Students develop a comprehensive marketing plan by applying skills in financial analysis, competitive scanning, and appropriate marketing strategies.
14021	BUS	ISSCM	396	UG	SR	Supply Chain Seminar	Professional speaker series for all students majoring in Supply Chain Management. Students will benefit from hearing professionals in the supply chain industry discuss current events, opportunities and challenges within the industry.
14021	BUS	ISSCM	396	UG	SR	Supply Chain Seminar	Professional speaker series for all students majoring in Supply Chain Management. Students will benefit from hearing professionals in the supply chain industry discuss current events, opportunities and challenges within the industry.
4967	BUS	MARK	399	UG	SR	Special Topics in Marketing	Prerequisite: Junior standing. Special Topics are scheduled classes offered on an ad hoc basis. Specific titles and content will vary. Outcome: Varies with topic.
4967	BUS	MARK	399	UG	SR	Special Topics in Marketing	Prerequisite: Junior standing. Special Topics are scheduled classes offered on an ad hoc basis. Specific titles and content will vary. Outcome: Varies with topic.
4967	BUS	MARK	399	UG	SR	Special Topics in Marketing	Prerequisite: Junior standing. Special Topics are scheduled classes offered on an ad hoc basis. Specific titles and content will vary. Outcome: Varies with topic.

13884	HSPH	HSPH	301	UG	SF	Health and the Environment	This course is designed as an introduction to the field of environmental health, including regulations, research, disease prevention, and advocacy. Outcomes: Students will be able to outline approaches for assessing and controlling environmental hazards that affect community health and discuss major local, national, and global health challenges.
13884	HSPH	HSPH	301	UG	SF	Health and the Environment	This course is designed as an introduction to the field of environmental health, including regulations, research, disease prevention, and advocacy. Outcomes: Students will be able to outline approaches for assessing and controlling environmental hazards that affect community health and discuss major local, national, and global health challenges.
13884	HSPH	HSPH	301	UG	SF	Health and the Environment	This course is designed as an introduction to the field of environmental health, including regulations, research, disease prevention, and advocacy. Outcomes: Students will be able to outline approaches for assessing and controlling environmental hazards that affect community health and discuss major local, national, and global health challenges.
12879	HSPH	PBHS	414	GRAD	SR	Intro to Global Health	Introduction to Global Health is an introductory course to global health, both epidemiology and policy aspects, focusing on health disparities on the international level.
13811	HSPH	PBHS	425	GRAD	SR	Policy Analysis	This course will provide an introduction to the issues and methods of health policy analysis. Health policy analysis requires several distinct sets of skills: technical understanding of analytical tools, understanding the policy and managerial context within and outside of your organization, and the ability to produce and communicate practical advice. This is a track-specific requirement for MPH Graduates in the Health Policy track Outcome: Students will develop a good working understanding of the methods specific to these issues examined through this course and will also learn how to apply these to specific problems.

13762	HSPH	PBHS	499	GRAD	SR	Public Health in Action	Public Health in Action prepares MPH students for the real world through practical hands-on learning that addresses the cross-disciplinary competencies in advocacy, leadership, budgeting, planning and implementing programs with limited resources, building a shared vision and mission, setting priorities and goals, contributing on inter-professional teams, advancing cultural diversity and inclusiveness in community health efforts, building partnerships, leading community initiatives, and communicating to media. It is intended students will take this course at the end of the MPH program. Enrollment Conditions: Graduate standing in the MPH Program and graduating in the current or following semester, or permission of instructor. Students should have completed at least 18 credit hours of coursework, including all other core courses. MD/MPH students may take this course in the spring of their first year in the program.
13762	HSPH	PHSC	499	GRAD	SR	Public Health in Action	Public Health in Action prepares MPH students for the real world through practical hands-on learning that addresses the cross-disciplinary competencies in advocacy, leadership, budgeting, planning and implementing programs with limited resources, building a shared vision and mission, setting priorities and goals, contributing on inter-professional teams, advancing cultural diversity and inclusiveness in community health efforts, building partnerships, leading community initiatives, and communicating to media. It is intended students will take this course at the end of the MPH program. Enrollment Conditions: Graduate standing in the MPH Program and graduating in the current or following semester, or permission of instructor. Students should have completed at least 18 credit hours of coursework, including all other core courses. MD/MPH students may take this course in the spring of their first year in the program.
10171	HSPH	HCAD	210	UG	SR	Introduction to Global Health	This course examines major global health challenges, programs and policies through a lens of access and quality. Factors influencing the presence of health inequities around the world are explored. Key areas of study include cultural and political context, epidemiological considerations, health status and healthcare delivery systems of various countries.

10171	HSPH	HCAD	210	UG	SR	Introduction to Global Health	This course examines major global health challenges, programs and policies through a lens of access and quality. Factors influencing the presence of health inequities around the world are explored. Key areas of study include cultural and political context, epidemiological considerations, health status and healthcare delivery systems of various countries.
10171	HSPH	HCAD	210	UG	SR	Introduction to Global Health	This course examines major global health challenges, programs and policies through a lens of access and quality. Factors influencing the presence of health inequities around the world are explored. Key areas of study include cultural and political context, epidemiological considerations, health status and healthcare delivery systems of various countries.
10040	HSPH	HCAD	230	UG	SR	Health Equity	This course introduces the concept of health equity and provides an overview of health disparities in the U.S. Students examine the root causes of and explore populations most affected by health inequities. The course explores system approaches and strategies aimed at improving health equity.
10040	HSPH	HCAD	230	UG	SR	Health Equity	This course introduces the concept of health equity and provides an overview of health disparities in the U.S. Students examine the root causes of and explore populations most affected by health inequities. The course explores system approaches and strategies aimed at improving health equity.
10040	HSPH	HCAD	230	UG	SR	Health Equity	This course introduces the concept of health equity and provides an overview of health disparities in the U.S. Students examine the root causes of and explore populations most affected by health inequities. The course explores system approaches and strategies aimed at improving health equity.

10040	HSPH	HCAD	230	UG	SR	Health Equity	This course introduces the concept of health equity and provides an overview of health disparities in the U.S. Students examine the root causes of and explore populations most affected by health inequities. The course explores system approaches and strategies aimed at improving health equity.
10041	HSPH	HCAD	240	UG	SR	Hlth Care Wrkforce Environment	This course explores workforce environment issues associated with employment within health care organizations. Topics include hazardous waste, workforce safety, noise, purchasing and materials management, OSHA and disaster planning to name a few. Quality and patient safety are emphasized from the standpoint of organizational planning and resource allocation. HSM 110 Prerequisite or Co-requisite
10041	HSPH	HCAD	240	UG	SR	Hlth Care Wrkforce Environment	This course explores workforce environment issues associated with employment within health care organizations. Topics include hazardous waste, workforce safety, noise, purchasing and materials management, OSHA and disaster planning to name a few. Quality and patient safety are emphasized from the standpoint of organizational planning and resource allocation. HSM 110 Prerequisite or Co-requisite
14176	HSPH	HCAD	280	UG	SR	Healthcare Management Ethics	This course explores ethics in the management of healthcare organizations. Course content is grounded in the theoretical constructs of philosophy, moral reasoning, and justice and their influence on the healthcare environment. Students analyze different types of reasoning in the decision-making process and use ethical theories to address practical issues in healthcare management. Prerequisite: PHIL 130; Open to HCA and ES Majors; Choose HCA 280 or Phil 284 Outcomes: Examine ethical issues that impact the management of healthcare organizations; articulate moral views on issues relevant to the management of healthcare organizations, Demonstrate practical application of philosophy and specifically moral reasoning to ethical conflicts in healthcare management, Apply critical thinking to challenging moral questions in the management of healthcare resources; Evaluate decision options on moral questions in healthcare management while respecting differing opinions and rationally justifying decisions.

14176	HSPH	HSPH	280	UG	SR	Healthcare Management Ethics	<p>This course explores ethics in the management of healthcare organizations. Course content is grounded in the theoretical constructs of philosophy, moral reasoning, and justice and their influence on the healthcare environment. Students analyze different types of reasoning in the decision-making process and use ethical theories to address practical issues in healthcare management. Prerequisite: PHIL 130; Open to HCA and ES Majors; Choose HCA 280 or Phil 284 Outcomes: Examine ethical issues that impact the management of healthcare organizations; articulate moral views on issues relevant to the management of healthcare organizations, Demonstrate practical application of philosophy and specifically moral reasoning to ethical conflicts in healthcare management, Apply critical thinking to challenging moral questions in the management of healthcare resources; Evaluate decision options on moral questions in healthcare management while respecting differing opinions and rationally justifying decisions.</p>
13855	HSPH	PBHS	300	UG	SR	Introduction to Public Health	<p>Public health is the science of preventing disease and protecting and promoting the health of populations and communities. Through interactive exercises and application of concepts, this course considers its history; ethical principles; scientific foundation and tools; biomedical bases; socioeconomic and behavioral factors; environmental issues; and relationship to medical care. Outcomes: Describe the history, core concepts, functions, and methods of public health. Define health disparities and explain how they are produced. Synthesize public health information and communicate it effectively.</p>
13855	HSPH	PBHS	300	UG	SR	Introduction to Public Health	<p>Public health is the science of preventing disease and protecting and promoting the health of populations and communities. Through interactive exercises and application of concepts, this course considers its history; ethical principles; scientific foundation and tools; biomedical bases; socioeconomic and behavioral factors; environmental issues; and relationship to medical care. Outcomes: Describe the history, core concepts, functions, and methods of public health. Define health disparities and explain how they are produced. Synthesize public health information and communicate it effectively.</p>

13855	HSPH	PBHS	300	UG	SR	Introduction to Public Health	Public health is the science of preventing disease and protecting and promoting the health of populations and communities. Through interactive exercises and application of concepts, this course considers its history; ethical principles; scientific foundation and tools; biomedical bases; socioeconomic and behavioral factors; environmental issues; and relationship to medical care. Outcomes: Describe the history, core concepts, functions, and methods of public health. Define health disparities and explain how they are produced. Synthesize public health information and communicate it effectively.
10370	HSPH	HCAD	325	UG	SR	Healthcare Fiscal Management	This course introduces fundamental concepts related to financial management of healthcare organizations. Students explore financial-decision tools and the role of financial decision-making in managing delivery of care. How the U.S. health system impacts an organization's financial health and management is considered. Major concepts include cost-accounting, budgeting, cost/benefit analysis, and reimbursement mechanisms. Prerequisite: HSM 110 and FINC 301 Outcomes: At the successful completion of the course, students will be able to: 1. Describe the impact of political, social, and economic factors on the cost of patient care delivery. 2. Analyze the impact of U.S. healthcare payment system on the organization and delivery of healthcare. 3. Evaluate financial health of a healthcare organization 4. Apply principles of accounting to organizational decision-making 5. Explain revenue cycle and budgeting in a healthcare organization. 6. Explain the legal, ethical, and social justice issues surrounding fiscal management in the health care setting. 7. Describe non-profit's role in providing uncompensated care and impact on financial decision-making.
10370	HSPH	HCAD	325	UG	SR	Healthcare Fiscal Management	This course introduces fundamental concepts related to financial management of healthcare organizations. Students explore financial-decision tools and the role of financial decision-making in managing delivery of care. How the U.S. health system impacts an organization's financial health and management is considered. Major concepts include cost-accounting, budgeting, cost/benefit analysis, and reimbursement mechanisms. Prerequisite: HSM 110 and FINC 301 Outcomes: At the successful completion of the course, students will be able to: 1. Describe the impact of political, social, and economic factors on the cost of patient care delivery. 2. Analyze the impact of U.S. healthcare payment system on the organization and delivery of healthcare. 3. Evaluate financial health of a healthcare organization 4. Apply principles of accounting to organizational decision-making 5. Explain revenue cycle and budgeting in a healthcare organization. 6. Explain the legal, ethical, and social justice issues surrounding fiscal management in the health care setting. 7. Describe non-profit's role in providing uncompensated care and impact on financial decision-making.

10044	HSPH	HCAD	330	UG	SR	HC Legal&Regulatory Environ	This course introduces the student to the legal environment of the health care industry. The impact of federal and state regulations on health care delivery systems is explored. The course will focus upon the legal impact of government regulation of both health care providers and payers, including Medicare and related fraud and abuse considerations. The role of antitrust laws and corporate structure will be discussed, with a focus on industry practices that can both increase and decrease liability exposure of the health care provider. Pre-Requisites: HSM 240 & PHIL 284
10044	HSPH	HCAD	330	UG	SR	HC Legal&Regulatory Environ	This course introduces the student to the legal environment of the health care industry. The impact of federal and state regulations on health care delivery systems is explored. The course will focus upon the legal impact of government regulation of both health care providers and payers, including Medicare and related fraud and abuse considerations. The role of antitrust laws and corporate structure will be discussed, with a focus on industry practices that can both increase and decrease liability exposure of the health care provider. Pre-Requisites: HSM 240 & PHIL 284
10971	HSPH	HCAD	338	UG	SR	Healthcare Strategy Marketing	This course presents an overview of healthcare strategy and marketing. Students examine the unique features of healthcare as a product. Emphasis is given to strategic processes, including competitive analysis, strategic decision-making, and marketing fundamentals. Students are provided a foundation of marketing principles and tools in the context of strategic management. Prerequisites: HSM 110, 230 and 310 Outcomes: At the successful completion of the course, students will be able to: 1. Discuss the principles of strategic management in the context of a healthcare organization 2. Explain how strategic management influences competitive advantage 3. Apply principles of marketing to healthcare organizations 4. Utilize basic market research techniques, approaches, and tools 5. Identify ethical and legal issues related to strategy and marketing in healthcare organizations 6. Construct a high level strategic marketing campaign for a healthcare product, program or service. 7. Demonstrate effective teamwork skills in the development and communication of a multi-media based strategic marketing plan 8. Demonstrate skill and comfort in presenting strategy and marketing materials to peers and clients.

10971	HSPH	HCAD	338	UG	SR	Healthcare Strategy Marketing	<p>This course presents an overview of healthcare strategy and marketing. Students examine the unique features of healthcare as a product. Emphasis is given to strategic processes, including competitive analysis, strategic decision-making, and marketing fundamentals. Students are provided a foundation of marketing principles and tools in the context of strategic management. Prerequisites: HSM 110, 230 and 310 Outcomes: At the successful completion of the course, students will be able to: 1. Discuss the principles of strategic management in the context of a healthcare organization 2. Explain how strategic management influences competitive advantage 3. Apply principles of marketing to healthcare organizations 4. Utilize basic market research techniques, approaches, and tools 5. Identify ethical and legal issues related to strategy and marketing in healthcare organizations 6. Construct a high level strategic marketing campaign for a healthcare product, program or service. 7. Demonstrate effective teamwork skills in the development and communication of a multi-media based strategic marketing plan 8. Demonstrate skill and comfort in presenting strategy and marketing materials to peers and clients.</p>
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10045	HSPH	HCAD	340	UG	SR	Health Care Policy	<p>This course presents an introduction to health policy, i.e., the various ways in which government plays a role in the health of the public and the provision of health care. Emphasis is placed on the structures and processes that influence policy formation, advocacy and change as well as the role of public and private leadership as a key component of healthcare policy. The course highlights major issues in health policy such as Medicare, Medicaid, health care reform under the Affordable Care Act, environmental health policy, pharmaceutical regulation and long term care. Prerequisite - HSM 110 Prerequisite or Corequisite - HSM 230</p>

10045	HSPH	HCAD	340	UG	SR	Health Care Policy	This course presents an introduction to health policy, i.e., the various ways in which government plays a role in the health of the public and the provision of health care. Emphasis is placed on the structures and processes that influence policy formation, advocacy and change as well as the role of public and private leadership as a key component of healthcare policy. The course highlights major issues in health policy such as Medicare, Medicaid, health care reform under the Affordable Care Act, environmental health policy, pharmaceutical regulation and long term care. Prerequisite - HSM 110 Prerequisite or Corequisite - HSM 230
10045	HSPH	HSPH	340	UG	SR	Health Care Policy	This course presents an introduction to health policy, i.e., the various ways in which government plays a role in the health of the public and the provision of health care. Emphasis is placed on the structures and processes that influence policy formation, advocacy and change as well as the role of public and private leadership as a key component of healthcare policy. The course highlights major issues in health policy such as Medicare, Medicaid, health care reform under the Affordable Care Act, environmental health policy, pharmaceutical regulation and long term care. Prerequisite - HSM 110 Prerequisite or Corequisite - HSM 230
11507	HSPH	APHS	382	UG	SR	Methods, Design and Ethics	Study of current literature with implications for exercise and sport science specializations; use of library resources and retrieval systems; evaluation of professional competencies. Prerequisites: EXCM 201 and STAT 103
11507	HSPH	APHS	382	UG	SR	Methods, Design and Ethics	Study of current literature with implications for exercise and sport science specializations; use of library resources and retrieval systems; evaluation of professional competencies. Prerequisites: EXCM 201 and STAT 103

10972	HSPH	HCAD	386	UG	SR	Health Information Systems	This course provides an overview of the use of information technology in the healthcare industry. Students are introduced to information systems currently used to manage and operate health care organizations, the applications designed to support consumer use, and the life cycle of an information system. The impact of information systems on an organization's overall financial and strategic planning, daily operations and quality improvement processes will be emphasized as will associated legal, ethical and security issues. Prerequisite or Corequisite: HSM 110
10972	HSPH	HCAD	386	UG	SR	Health Information Systems	This course provides an overview of the use of information technology in the healthcare industry. Students are introduced to information systems currently used to manage and operate health care organizations, the applications designed to support consumer use, and the life cycle of an information system. The impact of information systems on an organization's overall financial and strategic planning, daily operations and quality improvement processes will be emphasized as will associated legal, ethical and security issues. Prerequisite or Corequisite: HSM 110
14261	SOC	SOCD	479	GRAD	SF	Digital Sustainability	Digital Sustainability explores the environmental impact of digital media. Mining precious metals to manufacture devices, burning fossil fuels to run data centers, global black market trading of e-waste are points where the digital world meets the physical world. Students will explore digital sustainability problems, and work toward creative solutions. Prerequisites: DMST, GSC, and SES grad students can enroll. Outcomes: Learn about environmental issues stemming from digital media infrastructure. Critically evaluate different disciplinary perspectives to gain a broader understanding. Develop ethical reasoning regarding environmental impact resulting from digital media ecology.

13769	SOC	SOCD	260	UG	SF	Environmental Journalism	The mission of environmental journalism is to raise public awareness about environmental news and issues. It is about being ethical, accurate, fair, and clear, whether reporting, investigating, or advocating for change. Outcome: Students will be able to find, report, and present challenging stories around this topic, in print and in broadcast writing.
13769	SOC	SOCD	260	UG	SF	Environmental Journalism	The mission of environmental journalism is to raise public awareness about environmental news and issues. It is about being ethical, accurate, fair, and clear, whether reporting, investigating, or advocating for change. Outcome: Students will be able to find, report, and present challenging stories around this topic, in print and in broadcast writing.
2125	SOC	SOCD	306	UG	SF	Environmental Advocacy	This course explores the rhetorical means by which citizens influence the policies and practices affecting our natural and human environments. The focus is on current controversies. Prerequisites: COMM 100 and sophomore standing. Digital Media & Storytelling (DMST* Masters students and any students majoring in SES may also enroll. Outcome: The course seeks to provide an understanding of the history and range of communication styles in the U.S. environmental movement and to help students develop practical skills relevant to entering into environmental debates.
2130	SOC	SOCD	307	UG	SF	Communication & Social Change	This course explores the communication strategies used to promote and/or resist significant socio-political change. Students will demonstrate an understanding of how communication is used in particular societal struggles to effect socio-cultural change at an individual, community, institutional or global level.

11918	SOC	SOCD	379	UG	SF	Digital Sustainability	Digital Sustainability explores the environmental impact of digital media. Mining precious metals to manufacture devices, burning fossil fuels to run data centers, global black market trading of e-waste are points where the digital world meets the physical world. Students will explore digital sustainability problems, and work toward creative solutions. Prerequisites: Sophomore standing. DMST, GSC, and SES grad students can also enroll. SES undergrads can also enroll. Outcomes: Learn about environmental issues stemming from digital media infrastructure. Critically evaluate different disciplinary perspectives to gain a broader understanding. Develop ethical reasoning regarding environmental impact resulting from digital media ecology.
2087	SOC	SOCD	200	UG	SR	Digital Comm & Society	This course explores the ways technology affects personal, cultural and mass communication through examining the historical, societal and ethical implications of newer and interactive forms of media. Outcomes: Students use audio, video and digital tools to research and produce essays, projects and presentations that analyze the impact of technology on communication
2087	SOC	SOCD	200	UG	SR	Digital Comm & Society	This course explores the ways technology affects personal, cultural and mass communication through examining the historical, societal and ethical implications of newer and interactive forms of media. Outcomes: Students use audio, video and digital tools to research and produce essays, projects and presentations that analyze the impact of technology on communication
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2067	SOC	SOCD	215	UG	SR	Ethics & Communication	COMM 215 DOES NOT MEET CORE ETHICS. Prerequisite: COMM 175 This course explores various approaches to ethical decision-making and applies that process to diverse aspects of every day, contemporary life. Outcome: Students learn to discern a wide variety of ethical issues concerning communication behavior, apply systematic ethical analysis to various communication situations, and clearly explain their analyses.
2067	SOC	SOCD	215	UG	SR	Ethics & Communication	COMM 215 DOES NOT MEET CORE ETHICS. Prerequisite: COMM 175 This course explores various approaches to ethical decision-making and applies that process to diverse aspects of every day, contemporary life. Outcome: Students learn to discern a wide variety of ethical issues concerning communication behavior, apply systematic ethical analysis to various communication situations, and clearly explain their analyses.
2067	SOC	SOCD	215	UG	SR	Ethics & Communication	COMM 215 DOES NOT MEET CORE ETHICS. Prerequisite: COMM 175 This course explores various approaches to ethical decision-making and applies that process to diverse aspects of every day, contemporary life. Outcome: Students learn to discern a wide variety of ethical issues concerning communication behavior, apply systematic ethical analysis to various communication situations, and clearly explain their analyses.
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2075	SOC	SOCD	227	UG	SR	Social Justice & Communication	This course examines the implications of communication processes and practices for democracy and social justice. Outcome: Students will be able to articulate and defend their conception of the role of communication in achieving a just society and demonstrate an understanding of how existing communication institutions, laws, and norms impede or assist movement towards that goal.
2075	SOC	SOCD	227	UG	SR	Social Justice & Communication	This course examines the implications of communication processes and practices for democracy and social justice. Outcome: Students will be able to articulate and defend their conception of the role of communication in achieving a just society and demonstrate an understanding of how existing communication institutions, laws, and norms impede or assist movement towards that goal.
2077	SOC	SOCD	230	UG	SR	Argumentation & Advocacy	This course is an introduction to analyzing and critiquing arguments, and inventing extended arguments to advocate positions. Outcome: Students will be able to analyze and critique both individual arguments and extended cases; demonstrate understanding of the relationship of argumentation to audience and context; and invent arguments and develop cases for advocacy.

2077	SOC	SOCD	230	UG	SR	Argumentation & Advocacy	This course is an introduction to analyzing and critiquing arguments, and inventing extended arguments to advocate positions. Outcome: Students will be able to analyze and critique both individual arguments and extended cases; demonstrate understanding of the relationship of argumentation to audience and context; and invent arguments and develop cases for advocacy.
2066	SOC	SOCD	271	UG	SR	Media Culture and Communication	This course examines contemporary U.S. American culture from a critical-theoretical standpoint while examining popular icons and social practices with particular attention to their influence on individual and collective identities. Outcome: Students will learn critical cultural theories and do projects where they reflect upon the influences of contemporary cultural texts and practices with an eye for their economic, social and political influence on individual and collective identities.
2069	SOC	SOCD	273	UG	SR	Interpersonal Communication	Students study speech to understand its role in human relationships. This course focuses on self-exploration of communication patterns by asking life's big questions about self and other. Students will gain competence in interpersonal communication through the development of perceptual accuracy, and clarification of values with regard to relational goals.
11948	SOC	SOCD	280	UG	SR	Media Technology & Society	Through lectures, discussions, and assignments, learn the evolutionary history of media technologies from the telegraph through film, television, and digital media, and review contemporary theories about how technology shapes society. Prerequisite: COMM 175 or 201.
11948	SOC	SOCD	280	UG	SR	Media Technology & Society	Through lectures, discussions, and assignments, learn the evolutionary history of media technologies from the telegraph through film, television, and digital media, and review contemporary theories about how technology shapes society. Prerequisite: COMM 175 or 201.

2096	SOC	SOCD	281	UG	SR	Comm., Language & Gender	This course explores the role of communication practices in the production, reinforcement and transformation of gendered identities. Students will learn how gender expectations within cultural contexts are created. They will also learn some of the ways that deeply-rooted assumptions limit social change and guide communication.
2096	SOC	SOCD	281	UG	SR	Comm., Language & Gender	This course explores the role of communication practices in the production, reinforcement and transformation of gendered identities. Students will learn how gender expectations within cultural contexts are created. They will also learn some of the ways that deeply-rooted assumptions limit social change and guide communication.
2119	SOC	SOCD	314	UG	SR	Public Relations Cases	The course focuses on issues, strategies, and solutions in creating and maintaining relationships with key publics including media relations, internal communications, community relations, public affairs, investor relations, and crisis communications. Students will gain experience analyzing, formulating and applying case-specific solutions and developing an integrated campaign.
2119	SOC	SOCD	314	UG	SR	Public Relations Cases	The course focuses on issues, strategies, and solutions in creating and maintaining relationships with key publics including media relations, internal communications, community relations, public affairs, investor relations, and crisis communications. Students will gain experience analyzing, formulating and applying case-specific solutions and developing an integrated campaign.

2123	SOC	SOCD	324	UG	SR	Film Genre	Prerequisites: COMM 100 and COMM 274 Traces the evolution of independent filmmaking in the U.S, from the pioneering cinema of Maya Deren and John Cassavetes to seminal works of Spike Lee, Kelly Reichardt, and Barry Jenkins. Outcome: Students will be able to demonstrate knowledge what constitutes a genre and the varied approaches used to analyze films within the context of genre studies.
11916	SOC	SOCD	360	UG	SR	Digital Media Ethics	This course is designed to familiarize students with a new set of ethical dilemmas that have sprung up in the last decade with the rise of new media. Using classical ethical theories, students will formulate appropriate and responsible solutions to ethical dilemmas emerging in a new/digital media context. Outcome: Students will learn about current ethical issues and solve these issues using classical ethical theories.
11916	SOC	SOCD	360	UG	SR	Digital Media Ethics	This course is designed to familiarize students with a new set of ethical dilemmas that have sprung up in the last decade with the rise of new media. Using classical ethical theories, students will formulate appropriate and responsible solutions to ethical dilemmas emerging in a new/digital media context. Outcome: Students will learn about current ethical issues and solve these issues using classical ethical theories.
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2121	SOC	SOCD	368	UG	SR	Critical Ethnography Comm	This course teaches principles of participant-observation research as a critical practice to produce a 'thick description' of meanings, values, hierarchies of interests, power structures and ideals of a particular cultural group or community. Outcome: Students learn to conduct ethnographic research and its procedures - taking field notes, conducting interviews, examination of data and artifacts, and producing research results to a public audience.
12801	EDUC	TLSC	403	GRAD	SR	Teach for Soc Justice & Equity	This module targets candidates' understandings of the School Education's mission of professionalism in service of social justice, the core tenets of culturally responsive pedagogy, and the applications via backwards design and Universal Design for Learning. Candidates will explore their own identities as future teachers and consider how teachers' identities and experiences transfer into and influence instructional practice with students. Outcome: Candidates will complete a self-documentation project in which they explore their own identities and recognize how their thinking, behavior, and being are influenced by their own personal experiences, race/ethnicity, social class, language, religion, age, etc.
12801	EDUC	TLSC	403	GRAD	SR	Teach for Soc Justice & Equity	This module targets candidates' understandings of the School Education's mission of professionalism in service of social justice, the core tenets of culturally responsive pedagogy, and the applications via backwards design and Universal Design for Learning. Candidates will explore their own identities as future teachers and consider how teachers' identities and experiences transfer into and influence instructional practice with students. Outcome: Candidates will complete a self-documentation project in which they explore their own identities and recognize how their thinking, behavior, and being are influenced by their own personal experiences, race/ethnicity, social class, language, religion, age, etc.

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2492	EDUC	ELPS	410	GRAD	SR	Sociology of Education	<p>This course introduces students to the field of the sociology of education. It examines the societal role of education and the enactment of education using macro-historical, meso-institutional and micro-interactional perspectives, and exposes students to major theoretical traditions in the discipline. Outcomes: Knowledge of theories and empirical research that can guide critical evaluation of 1) conditions and problems in K-12 schools 2) ideas, arguments, and points of view regarding K-12 schools.</p>
2493	EDUC	ELPS	412	GRAD	SR	Urban Education Policy	<p>This course uses a range of theoretical perspectives, theories and empirical research to analyze urban education policy. This course explores urban schools' and urban educational policy's evolution in response to changes in U.S. cities, urban teaching and school governance, and contemporary educational policies that are prevalent in urban school districts. Outcomes: 1) Improved ability to critically evaluate ideas, arguments, and points of view regarding urban education policy. 2) Expanded knowledge of contemporary events, issues, movements and policies in urban education settings.</p>

11642	EDUC	ELPS	432	GRAD	SR	Multicul. Social Justice	Enrollment is restricted to Graduate Education students. This course provides an introduction to theory and research related to multiculturalism and social justice. Learning is targeted at increasing students' multicultural awareness, knowledge, and skills in the context of higher education practice. Outcomes: Understand social justice conceptual foundations and the various ways in which oppression influences individuals, institutions, and the broader society.
11642	EDUC	ELPS	432	GRAD	SR	Multicul. Social Justice	Enrollment is restricted to Graduate Education students. This course provides an introduction to theory and research related to multiculturalism and social justice. Learning is targeted at increasing students' multicultural awareness, knowledge, and skills in the context of higher education practice. Outcomes: Understand social justice conceptual foundations and the various ways in which oppression influences individuals, institutions, and the broader society.
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12538	EDUC	TLSC	130	UG	SR	Community Immersion	<p>This module (course) is designed to engage teacher candidates (students) in an authentic exploration of the inherent relationship between P-12 schools and the surrounding community. Teacher candidates (students) are introduced to the concepts of cultural and social capital as they work in small groups to explore a thematic component of these communities. Must be registered for TLSC 110 and TLSC 120 concurrently. Outcomes: Teacher candidates (students) will complete a Community Map Project, which includes a map of community elements, concept map depicting the relationship between elements and resources, narrative analysis of findings, and personal reflection.</p>
12538	EDUC	TLSC	130	UG	SR	Community Immersion	<p>This module (course) is designed to engage teacher candidates (students) in an authentic exploration of the inherent relationship between P-12 schools and the surrounding community. Teacher candidates (students) are introduced to the concepts of cultural and social capital as they work in small groups to explore a thematic component of these communities. Must be registered for TLSC 110 and TLSC 120 concurrently. Outcomes: Teacher candidates (students) will complete a Community Map Project, which includes a map of community elements, concept map depicting the relationship between elements and resources, narrative analysis of findings, and personal reflection.</p>
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12539	EDUC	TLSC	140	UG	SR	Social Justice	<p>Prerequisites or Co-requisites: (TLSC 110, 120, and 130) OR CIEP 360. Restricted to All SOE Undergraduate Majors This module (course) builds on candidates' initial explorations of diverse learning environments and continues to develop candidates' understanding of the School of Education's mission of professionalism in service of social justice and the core tenets of culturally responsive pedagogy. Candidates will complete a self-documentation project in which they explore their own identities and recognize how their thinking, behavior, and being are influenced by their own personal experiences, race/ethnicity, social class, language, religion, age, etc.</p>

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12545	EDUC	TLSC	231	UG	SR	Sci & Writing in Elem Grades	This course introduces candidates (students) to the discipline and culture of science; provides experiences that engage candidates in the teaching and learning of science across varied school and non-school contexts; develops knowledge and skills to teach science through an inquiry approach and integrate writing. Prerequisite: TLSC 210, TLSC 221, TLSC 222, Co-requisite TLSC 232. Minimum grade of "C". Restricted to ELMS-BSED, SPED-BSED, BILI-BSED majors. Outcomes: Candidates will develop, implement, analyze, and reflect upon instructional and materials that ensure rigorous, relevant, inquiry-based science instruction is accessible to all students. Candidates complete an authentic personal inquiry project.
12545	EDUC	TLSC	231	UG	SR	Sci & Writing in Elem Grades	This course introduces candidates (students) to the discipline and culture of science; provides experiences that engage candidates in the teaching and learning of science across varied school and non-school contexts; develops knowledge and skills to teach science through an inquiry approach and integrate writing. Prerequisite: TLSC 210, TLSC 221, TLSC 222, Co-requisite TLSC 232. Minimum grade of "C". Restricted to ELMS-BSED, SPED-BSED, BILI-BSED majors. Outcomes: Candidates will develop, implement, analyze, and reflect upon instructional and materials that ensure rigorous, relevant, inquiry-based science instruction is accessible to all students. Candidates complete an authentic personal inquiry project.

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13778	IES	IES	401	GRAD	SF	Sustain Systems - Nat Sci	This required core course provides an integrated overview of environmental science and sustainability which connect to sustainable development and ecological economics goals to define a just and safe space for the equitable distribution of life's essential re-sources that does not exceed the Earth's capacity to provide and replenish them. Restricted to GRAD students. Outcomes: Students will be able to make logical connections between environmental science and sustainability and evaluate data and primary literature in learning best practices for making evidence-based decisions.

13778	IES	IES	401	GRAD	SF	Sustain Systems - Nat Sci	This required core course provides an integrated overview of environmental science and sustainability which connect to sustainable development and ecological economics goals to define a just and safe space for the equitable distribution of life's essential re-sources that does not exceed the Earth's capacity to provide and replenish them. Restricted to GRAD students. Outcomes: Students will be able to make logical connections between environmental science and sustainability and evaluate data and primary literature in learning best practices for making evidence-based decisions.
13779	IES	IES	402	GRAD	SF	Sustainable Systems: Soc Sci	This required core course examines theoretical perspectives on and practical examples of sustainable development at both global and local/regional scales. Restricted to GRAD students. Outcomes: Students learn concepts of sustainable development and system ,resilience, including history, contested meanings, strengths, and limitations of each. How change towards sustainability occurs at multiple scales using social sciences research .
13780	IES	IES	410	GRAD	SF	Intro to Environ Law & Policy	This introduction to environmental law surveys some critical federal environmental statutes, rules, and regulations in the United States; important case law decided under those statutes; interaction between federal, state, and local jurisdictions; and impacts on air, land, water, and natural resources. Restricted to GRAD students. Outcomes: understand how the natural environment is controlled, managed and promoted through the legal system.

13781	IES	IES	411	GRAD	SF	Nat Res Land Use Law & Policy	Focus on legal and policy processes used to govern pollution, water use, endangered species, toxic substances, and environmental impact and risk. Restricted to GRAD students. Outcomes: Students will understand how the natural environment is controlled, managed and promoted through the legal system and how land use laws and policy impact social and economic issues.
13782	IES	IES	412	GRAD	SF	Water Law & Policy	This course looks at how the law allocates and protects one of our most crucial natural resources -- water. Understanding development and regulation of water ownership and use and how those decisions impact current environmental and socio-economic issues. Restricted to GRAD students. Outcomes: Understand how key laws and policies impact protection and use of water in the United States; understand key legal concepts that shape the management of our water resources.
13783	IES	IES	413	GRAD	SF	Energy Law & Policy	This course looks at the laws that shape traditional energy production and the growing regulation of renewable and sustainable energy. Restricted to GRAD students. Outcomes: Understand how key laws and policies impact production and use of energy; and how energy is controlled by federal and local regulations and policies.
13787	IES	IES	426	GRAD	SF	Agroecosystems	In this hands-on course, students will build knowledge and skills in agriculture and ecology through work in greenhouse, laboratory, classroom, and field settings. Students will build on foundations of Environmental Science and Biology by examining challenges of food production, management decisions, and environmental change facing agroecosystems both locally and abroad. Restricted to GRAD students. Outcomes: Students will develop understanding of agricultural systems as related to sustainable practices, develop skills in ecological analysis of these systems, and demonstrate proficiency in communicating scientific information to diverse audiences.

13788	IES	IES	427	GRAD	SF	Food Systems Analysis	<p>This course links conceptual and practical considerations of food-system assessment and develop a base of tools for practitioners. It examines major elements of the assessment process: systems thinking and conceptual frameworks; the food system from consumer and producer perspectives; identifying leverage points that might be influenced to affect positive change. Restricted to GRAD students. Outcomes: Students will understand inter-relationships among environment, food supply, markets, American diets, and health, learn to analyze assessment methods for food-system sectors, and examine conceptual frameworks for food-system analysis.</p>
13971	IES	IES	433	GRAD	SF	Intro to the Circular Economy	<p>This project-based course focuses on solving complex human sustainability challenges through the application of sustainable design methods at the product and process level. Students will learn and apply biomimicry, circular, and human-centered design methods to develop conceptual and prototype solutions. Restricted to graduate students Understand: role of design in creating a sustainable future. Understand and apply: (1) circular design methods; (2) biomimicry design methods; and (3) human-centered design (design thinking) methods.</p>
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13790	IES	IES	435	GRAD	SF	Ecological Economics	Ecological Economics is a trans disciplinary course that takes a systems approach to the relationship between planetary stewardship, social justice, and the economy to design a prosperous and desirable future for humans on a finite planet. Ecological economics fuses economic theory and sustainability science to generate new solutions for today's challenges. Restricted to GRAD students. Outcomes: Understanding of ecological economics history, conceptual foundations, principles, tools, indicators, and applications. Topics include sustainable scale, just distribution, efficient allocation and relationships between economic
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14123	IES	IES	436	GRAD	SF	Circular & Sustainable Busn	This project-based course focuses on solving complex human sustainability challenges through the application of sustainable design methods at the product and process level. Students will learn and apply biomimicry, circular, and human-centered design methods to develop conceptual and prototype solutions. 436 Restricted to graduate students Student Outcomes: Understand the role of design in creating a sustainable future. Understand and apply: (1) circular design methods (2) biomimicry design methods; and (3) human-centered design (design thinking) methods.
13792	IES	IES	438	GRAD	SF	Climate Change & Human Health	This course provides an introduction overview of the health consequences associated with climate change and the local, federal, and global response to mitigate these negative health outcomes. During the course students will be expected incorporate course content and develop a realistic response public health plan to climate change for a locality of their choosing. Restricted to GRAD students. Outcomes: 1) Outline fundamental public health concerns associated with climate change; 2) Identify and critique future steps forward to reduce public health concerns of climate change.

13793	IES	IES	451	GRAD	SF	Sustainability Concepts	Examines environmental, economic, social and political impacts of sustainable practices on general public and global and local organizations. Provides students with understanding of importance to corporations and other entities of measuring, monitoring, and reporting resource use to customers and stakeholders. Restricted to GRAD students. Outcomes: Explaining basic concepts of sustainability and how they relate to operations and goals of institutions and organizations; interaction of social, economic, and ecological systems to influence sustainability challenges and solutions.
13794	IES	IES	452	GRAD	SF	Sustain Assess Reporting I	Fundamental concepts and methodology of measuring and reporting environmental sustainability impacts in the areas of energy, air, buildings and transportation. ENVS 451 prerequisite; GRAD students Outcomes: Ability to assess and report sustainability metrics related to energy, air, buildings, and transportation.
13795	IES	IES	453	GRAD	SF	Sustain Assess Reporting II	Fundamental concepts and methodology of measuring and reporting environmental sustainability impacts in the areas of water, land, food and waste. Environmental and social impacts of water use and sources, land use practices, food sourcing and production, and waste production and recovery. ENVS 451 prerequisite; GRAD students Outcome: Ability to assess and report sustainability metrics related to water, land, food, and waste.

13796	IES	IES	454	GRAD	SF	Sustain Plan Develop & Report	Capstone course in the four course sequence on Sustainability Assessment & Planning. Using concepts and methodology to create a comprehensive sustainability plan including stakeholder engagement, life cycle analyses, set resource baselines, short- and long-term sustainability goals, budgets and draft sustainability plan for a representative entity. ENVS 451, 452, and 453 are prerequisites; GRAD students Outcomes: Learn best practices to inspire and engage partners and stakeholders to advance environmental sustainability in different types of organizations. Ability to create a comprehensive sustainability plan for organizations and institutions.
13707	IES	IES	463	GRAD	SF	Sust Bus Mgmt	To introduce students to the emerging field of sustainability in business and the growing focus on the social, environmental, and economic performance of businesses. The course presents the scientific, moral, business, & economic cases for adopting sustainability. This course fulfills a MGMT elective. Prerequisite or corequisite: ENVS 410 Outcome: Understand the dimensions of sustainability; understand economics for sustainability; understand the tools and techniques to apply sustainability in each functional area of the business.
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12568	IES	IES	137	UG	SF	Foundations Env Sci I	<p>Prerequisites: The course is intended for majors/minors within the Department Environmental Science. Students majoring in other disciplines may enroll if space remains after ENV5 majors enroll. This course will introduce concepts that form the basis of environmental science, including elemental cycling, energy flow/transformation, and the interconnectivity among atmosphere, lithosphere, hydrosphere and biosphere, and within ecosystems. Ways in which knowledge of these concepts informs policy, management and social perception to produce positive change will also be examined. Outcomes: Recognize... interconnections among scientific disciplines and how their principles are used to investigate and address environmental issues; understand physical, chemical and ecological principles underlying environmental science and how these interact.</p>

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13354	IES	IES	200	UG	SF	Environment Career/Prof.Ski lls	Introduction to environmental professions and determining skills and individual traits best suited for professions in policy, science, business, community organizing, etc. Begin developing a professional network. Outcomes: Select appropriate internships, curriculum, projects to enhance knowledge, skills and experience; develop job hunting and communication skills specific to environmental fields, including resumes, cover letters, presentations.
13354	IES	IES	200	UG	SF	Environment Career/Prof.Ski lls	Introduction to environmental professions and determining skills and individual traits best suited for professions in policy, science, business, community organizing, etc. Begin developing a professional network. Outcomes: Select appropriate internships, curriculum, projects to enhance knowledge, skills and experience; develop job hunting and communication skills specific to environmental fields, including resumes, cover letters, presentations.
13354	IES	IES	200	UG	SF	Environment Career/Prof.Ski lls	Introduction to environmental professions and determining skills and individual traits best suited for professions in policy, science, business, community organizing, etc. Begin developing a professional network. Outcomes: Select appropriate internships, curriculum, projects to enhance knowledge, skills and experience; develop job hunting and communication skills specific to environmental fields, including resumes, cover letters, presentations.

13354	IES	IES	200	UG	SF	Environment Career/Prof.Skills	Introduction to environmental professions and determining skills and individual traits best suited for professions in policy, science, business, community organizing, etc. Begin developing a professional network. Outcomes: Select appropriate internships, curriculum, projects to enhance knowledge, skills and experience; develop job hunting and communication skills specific to environmental fields, including resumes, cover letters, presentations.
5496	IES	IES	204	UG	SF	Gender, Health & Environment	Exploration of connections between social justice and environmental health using scientific tools of analysis. Focus on experiences of those at intersection of marginalized social locations. Issues include impacts of modern disposable culture and how socially constructed gender roles affect exposure to environmental health risks while biological sex shapes their impacts. Outcome: Understanding the web of causality (relationships among scientific, medical, ecological, cultural, behavioral, economic, political, and ethical dimensions) of environmental health problems and how to ameliorate the disproportionate burden of risk.
5496	IES	IES	204	UG	SF	Gender, Health & Environment	Exploration of connections between social justice and environmental health using scientific tools of analysis. Focus on experiences of those at intersection of marginalized social locations. Issues include impacts of modern disposable culture and how socially constructed gender roles affect exposure to environmental health risks while biological sex shapes their impacts. Outcome: Understanding the web of causality (relationships among scientific, medical, ecological, cultural, behavioral, economic, political, and ethical dimensions) of environmental health problems and how to ameliorate the disproportionate burden of risk.

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12717	IES	IES	224	UG	SF	Climate Change	Prerequisite: ENVS 137 or UCSF 137 This course introduces students to basic principles and knowledge to explain climate change. Students will learn about natural and anthropogenic causes of climate change, the interactions between earth-atmosphere-ocean systems, climate feedback mechanisms, and impacts of climate change on the natural physical environment. Outcome: Students will develop cognitive and mathematical skills to draw valid, logical conclusions regarding various observed phenomena such as observed changes in the climate system and observed impacts of climate change.
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12718	IES	IES	237	UG	SF	Foundation Env. Sci II	Prerequisite: ENVS 137, UCSF 137 or BIOL 101; Restricted to students within IES This course is the second in a three-course sequence required of all ENVS majors. It will provide the basic scientific grounding needed to intelligently discuss environmental policy and to prepare students for more advanced study in the environmental sciences. It focuses on physical science, especially thermodynamics, energy and climate change. Outcome: Student will gain understanding of the physics dictating global climate dynamics and climate change, as well as the energetic of different energy sources and technological aspects of alternative energy sources.
12718	IES	IES	237	UG	SF	Foundation Env. Sci II	Prerequisite: ENVS 137, UCSF 137 or BIOL 101; Restricted to students within IES This course is the second in a three-course sequence required of all ENVS majors. It will provide the basic scientific grounding needed to intelligently discuss environmental policy and to prepare students for more advanced study in the environmental sciences. It focuses on physical science, especially thermodynamics, energy and climate change. Outcome: Student will gain understanding of the physics dictating global climate dynamics and climate change, as well as the energetic of different energy sources and technological aspects of alternative energy sources.

5507	IES	IES	273	UG	SF	Energy & Environment	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. The concept of energy developed from antiquity through the present day and applied to national and worldwide energy use patterns, the technologies supporting their use, as well as the societal impact and environmental consequences of energy usage. Outcome: Students will become skilled in critical reasoning and methods of inquiry, demonstrate an understanding of critical concepts and knowledge: heat and energy, the laws of thermodynamics, and current and future technologies and their impact.	
11766	IES	IES	279	UG	SF	Climate and History	Explores the role of climate in history, from the emergence of homo sapiens to recent anthropogenic climate change. Major topics include the social impact of climate variability, sources of resilience, origins of scientific knowledge, and the use of historical knowledge in the present. Outcomes: Students will analyze examples of climate shaping history, learn different ways that scholars have treated this relationship, and reflect on how this knowledge might be useful today.	
9808	IES	IES	283	UG	SF	Environmental Sustainability	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. Examines the impact of humans as consumers on the environment and how these interactions affect the probability of establishing sustainability for human and non-humans on Earth. Outcome: Students will become skilled in critical reasoning and methods of inquiry, and demonstrate an understanding of knowledge critical to the field including current human consumptive practices and their effects on the health and well-being of living organisms.	

9808	IES	IES	283	UG	SF	Environmental Sustainability	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. Examines the impact of humans as consumers on the environment and how these interactions affect the probability of establishing sustainability for human and non-humans on Earth. Outcome: Students will become skilled in critical reasoning and methods of inquiry, and demonstrate an understanding of knowledge critical to the field including current human consumptive practices and their effects on the health and well-being of living organisms.
9808	IES	IES	283	UG	SF	Environmental Sustainability	Requirement: UCSF 137 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience. Examines the impact of humans as consumers on the environment and how these interactions affect the probability of establishing sustainability for human and non-humans on Earth. Outcome: Students will become skilled in critical reasoning and methods of inquiry, and demonstrate an understanding of knowledge critical to the field including current human consumptive practices and their effects on the health and well-being of living organisms.
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12723	IES	IES	284	UG	SF	Environmental Justice	This course examines how policy interacts with race and class to affect differentially people's access to a clean, safe, productive environment; Reviews history of the environmental justice movement, and community, policy, and legal responses; Develops students' ability to work across diverse social groups to advance environmental justice and sustainability. Outcome: Students will understand forces that have led to people of different race and class being differentially affected by environmental benefits, and the burdens and strategies for addressing environmental injustices.

13772	IES	IES	297	UG	SF	N American Environ History	This course surveys the environment and environmentalism in United States history, from the transformation of New England into a farm ecology, the expansion of the cotton South, the settlement of the West, to the rise of industrial cities, suburban sprawl, and the globalization of the economy. Outcomes: Students will be able to demonstrate historical knowledge of environmental thought and ecological science, to draw links between environmental concerns and public policies, and to develop critical thinking and communication skills.
13773	IES	IES	298	UG	SF	Special Topics	Specific titles and contents vary from semester to semester. Variable credit hours.
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13212	IES	IES	301	UG	SF	Environmental Health	Epidemiology is the study of the distribution and determinants of disease in populations This course is designed as an introduction to environmental public health issues, laws, regulations, research, and advocacy. Environmental factors including biological, physical and chemical factors that affect the health of a community will be presented. The environmental media (air, water and land) and various community exposure concerns will also be presented. The course will utilize available internet resources to access environmental data, and focus related research. A team project will be completed requiring literature review and presentation and critical assessment of a successful (or unsuccessful) environmental advocacy campaign.

13212	IES	IES	301	UG	SF	Environmental Health	Epidemiology is the study of the distribution and determinants of disease in populations This course is designed as an introduction to environmental public health issues, laws, regulations, research, and advocacy. Environmental factors including biological, physical and chemical factors that affect the health of a community will be presented. The environmental media (air, water and land) and various community exposure concerns will also be presented. The course will utilize available internet resources to access environmental data, and focus related research. A team project will be completed requiring literature review and presentation and critical assessment of a successful (or unsuccessful) environmental advocacy campaign.
12731	IES	IES	310	UG	SF	Intro to Environ Law & Policy	This introduction to environmental law surveys some critical federal environmental statutes, rules, and regulations in the United States; important case law decided under those statutes; interaction between federal, state, and local jurisdictions; and impacts on air, land, water, and natural resources. Outcomes: Understands how the natural environment is controlled, managed and promoted through the legal system.
12731	IES	IES	310	UG	SF	Intro to Environ Law & Policy	This introduction to environmental law surveys some critical federal environmental statutes, rules, and regulations in the United States; important case law decided under those statutes; interaction between federal, state, and local jurisdictions; and impacts on air, land, water, and natural resources. Outcomes: Understands how the natural environment is controlled, managed and promoted through the legal system.
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13775	IES	IES	311	UG	SF	Nat Res Land Use Law & Policy	Focus on legal and policy processes used to govern pollution, water use, endangered species, toxic substances, and environmental impact and risk. Prerequisite: ENVS 310 recommended Outcomes: Students will understand how the natural environment is controlled, managed and promoted through the legal system and how land use laws and policy impact social and economic issues.
13776	IES	IES	312	UG	SF	Water Law & Policy	This course looks at how the law allocates and protects one of our most crucial natural resources -- water. Understanding development and regulation of water ownership and use and how those decisions impact current environmental and socio-economic issues. Prerequisite: ENVS 310 recommended Outcomes: Understand how key laws and policies impact protection and use of water in the United States; understand key legal concepts that shape the management of our water resources.
13777	IES	IES	313	UG	SF	Energy Law & Policy	This course looks at the laws that shape traditional energy production and the growing regulation of renewable and sustainable energy. Prerequisite: ENVS 310 recommended Outcomes: Understand how key laws and policies impact production and use of energy; and how energy is controlled by federal and local regulations and policies.

12734	IES	IES	326	UG	SF	Agroecosystems	Prerequisites for Environmental Science and Environmental Studies majors: ENVS 237 & 238; OR BIOL 102 & 112; ENVS 223 is recommended. In this hands-on course, students will build knowledge and skills in agriculture and ecology through work in greenhouse, laboratory, classroom, and field settings. Students will build on foundations of Environmental Science and Biology by examining challenges of food production, management decisions, and environmental change facing agroecosystems both locally and abroad. Outcomes: Students will develop understanding of agricultural systems as related to sustainable practices, develop skills in ecological analysis of these systems, and demonstrate proficiency in communicating scientific information to diverse audiences.
12735	IES	IES	327	UG	SF	Food Systems Analysis	Prerequisite: ENVS 237 This course links conceptual and practical considerations of food-system assessment and develop a base of tools for practitioners. It examines major elements of the assessment process: systems thinking and conceptual frameworks; the food system from consumer and producer perspectives; identifying leverage points that might be influenced to affect positive change. Outcomes: Students will understand inter-relationships among environment, food supply, markets, American diets, and health, learn to analyze assessment methods for food-system sectors, and examine conceptual frameworks for food-system analysis.
13970	IES	IES	333	UG	SF	Intro to the Circular Economy	This project-based course focuses on solving complex human sustainability challenges through the application of sustainable design methods at the product and process level. Students will learn and apply biomimicry, circular, and human-centered design methods to develop conceptual and prototype solutions. Prerequisites: ENVS 137 or ENVS 101; MGMT 201 for Quinlan School of Business students; Understand: role of design in creating a sustainable future. Understand and apply: (1) circular design methods; (2) biomimicry design methods; and (3) human-centered design (design thinking) methods.

13970	IES	IES	333	UG	SF	Intro to the Circular Economy	<p>This project-based course focuses on solving complex human sustainability challenges through the application of sustainable design methods at the product and process level. Students will learn and apply biomimicry, circular, and human-centered design methods to develop conceptual and prototype solutions. Prerequisites: ENVS 137 or ENVS 101; MGMT 201 for Quinlan School of Business students; Understand: role of design in creating a sustainable future. Understand and apply: (1) circular design methods; (2) biomimicry design methods; and (3) human-centered design (design thinking) methods.</p>
13277	IES	IES	335	UG	SF	Ecological Economics	<p>Prerequisites: ECON 201 Ecological Economics is a trans disciplinary course that takes a systems approach to the relationship between planetary stewardship, social justice, and the economy to design a prosperous and desirable future for humans on a finite planet. Ecological economics fuses economic theory and sustainability science to generate new solutions for today's challenges. Outcomes: Understanding of ecological economics history, conceptual foundations, principles, tools, indicators, and applications. Topics include sustainable scale, just distribution, efficient allocation and relationships between economic</p>
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13359	IES	IES	336	UG	SF	Biomimicry: Design	#N/A
13209	IES	IES	338	UG	SF	Climate Change and Human Health	This course provides an introduction overview of the health consequences associated with climate change and the local, federal, and global response to mitigate these negative health outcomes. During the course students will be expected incorporate course content and develop a realistic response public health plan to climate change for a locality of their choosing. Outcomes: 1) Outline fundamental public health concerns that have been associated with climate change. 2) Identify and critique future steps forward to reduce public health concerns of climate change.

13073	IES	IES	363	UG	SF	Sustainable Business Mgmt	<p>Course introduces students to the emerging field of sustainability in business and the growing focus on the social, environmental, and economic performance of businesses. The course presents the scientific, ethical, and business cases for adopting sustainability. This course fulfills a MGMT elective.</p> <p>Prerequisites: ENVS 137 or UCSF 137 or MGMT 201 for Quinlan School of Business Students Outcomes: Understand the dimensions of sustainability; understand economics for sustainability; understand the tools and techniques to apply sustainability in each functional area of the business</p>
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12752	IES	IES	383	UG	SF	Human Dimension of Conserv.	This course will increase student knowledge of the social, political, economic, psychological, and cultural dimensions that influence the success of conservation projects and develop skills in conducting human dimensions-inquiry using surveys, interviews, observation, and/or participatory methods. It will contribute to preparation for employment in the conservation field and/or graduate study. Outcomes: Students will understand the importance of treating the human dimensions of conservation problems with the same scientific rigor customarily given to the ecological dimensions.
12752	IES	IES	383	UG	SF	Human Dimension of Conserv.	This course will increase student knowledge of the social, political, economic, psychological, and cultural dimensions that influence the success of conservation projects and develop skills in conducting human dimensions-inquiry using surveys, interviews, observation, and/or participatory methods. It will contribute to preparation for employment in the conservation field and/or graduate study. Outcomes: Students will understand the importance of treating the human dimensions of conservation problems with the same scientific rigor customarily given to the ecological dimensions.
2987	IES	IES	390	UG	SF	Integrative Seminar	This course requires students to focus on a specific environmental issue or theme, integrating multidisciplinary perspectives, through individual or group presentations, discussion, and analysis of presentations by outside speakers. Outcome: Students will demonstrate an understanding of the multi-faceted and interdisciplinary nature of environmental issues.

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2990	IES	IES	398	UG	SF	Special Topics	Prerequisite: Junior or senior standing. Specific titles and contents vary from semester to semester. Variable credit hours.
12312	IES	IES	350A	UG	SF	STEP: Water	STEP: Water <sup>1</sup> is an interdisciplinary and hands-on course in which students learn about a relevant and complex environmental problems pertaining to water and then develop and implement projects that address the problem on campus and in the local community. Outcomes: Students will develop understanding of water-related environmental problems, demonstrate skills/knowledge needed to address those problems, and develop skills to recognize/articulate future possibilities for environmental leadership and civic engagement.

13854	IES	IES	350B	UG	SF	STEP: Biogas	STEP: Biogas' is an interdisciplinary and hands-on course in which students learn about a relevant and complex environmental problems pertaining to biogas production, processing and transport and then develop and implement projects that address the problem on campus and in the local community. Prerequisites: UCSF 137 or ENV5 137 grade of C- or better Outcomes: Students will develop understanding of environmental problems related to biogas, demonstrate skills/knowledge needed to address those problems, and develop skills to recognize/articulate future possibilities for environmental leadership and civic engagement.
13854	IES	IES	350B	UG	SF	STEP: Biogas	STEP: Biogas' is an interdisciplinary and hands-on course in which students learn about a relevant and complex environmental problems pertaining to biogas production, processing and transport and then develop and implement projects that address the problem on campus and in the local community. Prerequisites: UCSF 137 or ENV5 137 grade of C- or better Outcomes: Students will develop understanding of environmental problems related to biogas, demonstrate skills/knowledge needed to address those problems, and develop skills to recognize/articulate future possibilities for environmental leadership and civic engagement.
13784	IES	IES	420	GRAD	SR	Conservation Biology	Students will learn to apply ecological and evolutionary biological principles to the preservation of wild plant/animal species, and to the preservation/management of ecosystems. Conservation approaches and challenges for all types of ecosystems, will be covered, with emphasis on contemporary threats to biodiversity, including habitat fragmentation, invasive species, and climate change. Restricted to GRAD students. Outcomes: Students will understand how the science of ecology can be used to address issues in species/ecosystem conservation, and recognize that consideration of human actions is essential to address conservation problems.

13789	IES	IES	430	GRAD	SR	Restoration Ecology	<p>This course provides a theoretical and practical basis for the increasing global efforts to reverse damage caused by humans to ecosystems and species, emphasizing the many perspectives (e.g., ecological, social, political, engineering) that must be considered to develop, implement, and assess restoration projects across a range of ecosystem types. Restricted to GRAD students. Outcomes: Students will apply knowledge from ecology and other disciplines to the practice of ecosystem restoration, and learn to integrate information from multiple disciplines, and stakeholder input, to design/manage restoration projects.</p>
13799	IES	IES	483	GRAD	SR	Human Dimensions of Conserv	<p>This course will increase student knowledge of the social, political, economic, psychological, and cultural dimensions that influence the success of conservation projects and develop skills in conducting human dimensions-inquiry using surveys, interviews, observation, and/or participatory methods. It will contribute to preparation for employment in the conservation field and/or graduate study. Restricted to GRAD students. Outcomes: Students will understand the importance of treating the human dimensions of conservation problems with the same scientific rigor customarily given to the ecological dimensions.</p>
13799	IES	IES	483	GRAD	SR	Human Dimensions of Conserv	<p>This course will increase student knowledge of the social, political, economic, psychological, and cultural dimensions that influence the success of conservation projects and develop skills in conducting human dimensions-inquiry using surveys, interviews, observation, and/or participatory methods. It will contribute to preparation for employment in the conservation field and/or graduate study. Restricted to GRAD students. Outcomes: Students will understand the importance of treating the human dimensions of conservation problems with the same scientific rigor customarily given to the ecological dimensions.</p>

13801	IES	IES	487	GRAD	SR	Principles of Ecotoxicology	This course will provide information on how pollutants affect ecosystems and how we might ameliorate their negative effects in our world. The emphasis of this course will be the fate and effects of pollutants in the ecosystem. The effects will be from molecular level to individual organism, community, and ecosystem levels. Restricted to GRAD students. Outcome: This course will provide students with scientific knowledge in the cause and effects of pollutants in ecosystems.
13357	IES	IES	203	UG	SR	Environmental Statistics	This course introduces basic statistics from probability through multiple regression, employing computer programs with ecological, environmental, and relevant social science examples and data sets. Restricted to IES majors. Outcomes: Programming/spreadsheet skills; data structure practices and diagnosis; data visualization; appropriate test selection; test execution and interpretation; introduction to qualitative data analysis.
13357	IES	IES	203	UG	SR	Environmental Statistics	This course introduces basic statistics from probability through multiple regression, employing computer programs with ecological, environmental, and relevant social science examples and data sets. Restricted to IES majors. Outcomes: Programming/spreadsheet skills; data structure practices and diagnosis; data visualization; appropriate test selection; test execution and interpretation; introduction to qualitative data analysis.

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12715	IES	IES	218	UG	SR	Biodiversity & Biogeography	Prerequisite: ENVS 137 or UCSF 137 This course covers the creation and maintenance of biodiversity across taxonomic, temporal and spatial scales. It will provide an overview of the history of biogeography, increase understanding of the evolutionary processes that create biodiversity, the influence of biodiversity on ecosystem services, and the rapid biodiversity loss resulting from human actions. Outcome: Students will gain knowledge of and appreciation for the biodiversity of life, its formation through the process of evolution, and the importance of biodiversity to ecosystem function and human welfare.
12715	IES	IES	218	UG	SR	Biodiversity & Biogeography	Prerequisite: ENVS 137 or UCSF 137 This course covers the creation and maintenance of biodiversity across taxonomic, temporal and spatial scales. It will provide an overview of the history of biogeography, increase understanding of the evolutionary processes that create biodiversity, the influence of biodiversity on ecosystem services, and the rapid biodiversity loss resulting from human actions. Outcome: Students will gain knowledge of and appreciation for the biodiversity of life, its formation through the process of evolution, and the importance of biodiversity to ecosystem function and human welfare.
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10113	IES	IES	280	UG	SR	Principles of Ecology	Prerequisites: ENVS 237 & Major within Institute of Environmental Sustainability The purpose of this course is to foster an in-depth understanding of ecology, the study of relationships between organisms and the environment at organizational scales ranging from genes, individuals, and populations to communities, ecosystems, and landscapes. Topics include population dynamics, species interactions, community dynamics, food webs, ecosystem functions, and landscape ecology with a strong emphasis on scientific inquiry and data interpretation. Restricted to majors within IES. Outcome: Students will understand key concepts and principles concerning ecological processes in nature at the gene, individual, population, community, ecosystem and landscape scales and apply knowledge of ecological concepts to current environmental challenges.

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14126	IES	IES	300	UG	SR	Introduction to Public Health	<p>Public health is the science of preventing disease and protecting and promoting the health of populations and communities. Through interactive exercises and application of concepts, this course considers its history; ethical principles; scientific foundation and tools; biomedical bases; socioeconomic and behavioral factors; environmental issues; and relationship to medical care. Department Consent Required; Restricted to senior standing SES students Outcomes: Describe the history, core concepts, functions, and methods of public health. Define health disparities and explain how they are produced.</p> <p>Synthesize public health information and communicate it effectively.</p>

12751	IES	IES	320	UG	SR	Conservation Biology	Prerequisites: ENVS 280 & 286 Students will learn to apply ecological and evolutionary biological principles to the preservation of wild plant/animal species, and to the preservation/management of ecosystems. Conservation approaches and challenges for all types of ecosystems, will be covered, with emphasis on contemporary threats to biodiversity, including habitat fragmentation, invasive species, and climate change. Outcome: Students will understand how the science of ecology can be used to address issues in species/ecosystem conservation, and recognize that consideration of human actions is essential to address conservation problems.
12741	IES	IES	340	UG	SR	Natural History of Belize	Prerequisites: For Environmental Science or Environmental Studies Majors/Minors: ENVS 137 For Biology Majors/Minors: BIOL 102 & 112 For Anthropology or International Studies Majors/Minors: Junior or Senior Standing This Study Abroad field course is designed to build on the foundations learned in Ecology, Environmental Science, and Anthropology classes by examining the biodiversity and tropical ecosystems of Belize, by exploring the cultural traditions of some of its peoples, particularly the Mayans; and learn how local communities are involved in protecting and sustaining ecological and natural sites through community based conservation and sustainability practices. Learning outcomes: Provide a working understanding of the structure, function, and ecology of tropical ecosystems; their importance to local communities; and the social dimensions of environmental issues, especially those related to justice.
12742	IES	IES	345	UG	SR	Neotropical Conservation	Prerequisites: For Biology Majors/Minors: Bio 265; For Environmental Science Majors: ENVS 280 This course provides an introduction to conservation ecology in Neotropical ecosystems via classroom sessions and experiential learning activities during a Spring-Break field trip to Belize. Students will gain experience in environmental monitoring and biological survey methods. Ecosystems studied: coral reefs, mangrove forests, subtropical rain and dry forests, savannas, rivers, wetlands. Outcomes: Students will gain an understanding of tropical climates, neotropical terrestrial/aquatic ecosystems and applied conservation and environmental practices such as nature reserve design and management, community-based resource management, ecotourism, and ecoagriculture.

12743	IES	IES	387	UG	SR	Principles of Ecotoxicology	Prerequisites: For Biology majors BIOL 265; For Chemistry majors CHEM 312; For Environmental Science majors ENVS 280. This course will provide information on how pollutants affect ecosystems and how we might ameliorate their negative effects in our world. The emphasis of this course will be the fate and effects of pollutants in the ecosystem. The effects will be from molecular level to individual organism, community, and ecosystem levels. Outcomes: This course will provide students with scientific knowledge in the cause and effects of pollutants in ecosystems and to prepare them for graduate study/future career.
13020	IES	IES	227R	UG	SR	Ecology of the Mediterranean	This course examines the ecology of the Mediterranean Sea and how human activity has shaped the present-day ecosystem. Students will learn fundamental ecological concepts including ecosystem functioning, energy flow, matter transformation, and elemental cycles and the human impacts on the Mediterranean environment, including discussion of impact reduction and remediation. Prerequisite: ENVS 137 or UCSF 137 Outcomes: Students will gain understanding of ecological processes/interconnections within the Mediterranean Sea ecosystem, of historical & current human-induced changes therein.
7287	SPS	PLST	359	UG	SF	Environmental Law	An introduction to federal environmental statutes regulating water quality, waste management and remediation of hazardous substances (Superfund). Issues leading to enforcement proceedings. Research strategies for this technical area. Outcomes: Students will be familiar with permit applications, enforcement proceedings, and research strategies for this technical area.

12897	SPS	SPS	201	UG	SR	Civic Identity and Development	Prerequisite: CPST 200; Co-requisite: UCWR 110 Enrollment is restricted to students in the School of Continuing and Professional Studies. In this course, students will examine their interconnected identities as engaged professionals in their communities using a variety of frameworks. They will learn to leverage the assets of their communities to enact positive change while also leveraging their own assets to grow as individuals. This course will also prepare students for the design and execution of the SCPS portfolio and capstone project later on in their academic program. Outcome: Students will develop civic awareness through examination of their identities and meaningful engagement with their communities.
12897	SPS	SPS	201	UG	SR	Civic Identity and Development	Prerequisite: CPST 200; Co-requisite: UCWR 110 Enrollment is restricted to students in the School of Continuing and Professional Studies. In this course, students will examine their interconnected identities as engaged professionals in their communities using a variety of frameworks. They will learn to leverage the assets of their communities to enact positive change while also leveraging their own assets to grow as individuals. This course will also prepare students for the design and execution of the SCPS portfolio and capstone project later on in their academic program. Outcome: Students will develop civic awareness through examination of their identities and meaningful engagement with their communities.
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14030	SPS	SPS	248	UG	SR	UX Design Fundamentals	Students are introduced to UX research and learn techniques of how to effectively evaluate and compare designs objectively. Students will be able to read and draw actionable conclusions from UX studies. Students will understand the UX Design process, including the use of personas, task models, and user journey mapping. Students will be able to: evaluate UX Design using objective metrics; conduct UX studies to derive actionable conclusions from UX Research; Understand personas, task models, and user journey mapping.

14031	SPS	SPS	249	UG	SR	UX Design Tools and Techniques	The course focuses on user and task analysis (goal setting and problem framing), field research (interviews, personas, planning, etc.), usability testing, the UX process (from wireframes through user journey mapping). These topics are explored through Design assignments that utilize the complete UX Design process. Prerequisite: CPST 248 with C- or better Students will be able to: apply the UX Prototyping process and UX Design Tools; apply the UX Design process, including the use of personas, task models, and user journey mapping.
5515	SPS	SPS	250	UG	SR	Foundations of Organizations	Prerequisites: CPST courses are restricted to students in the School of Continuing and Professional Studies An introduction to contemporary management with emphasis on organizational culture, decision making, organizational structure and design, planning, communication and information technology. Outcome: Students will demonstrate an understanding of the managerial roles in organizations, the four levels at which behavior is examined in organizations and will develop a framework for basic business operations.
5515	SPS	SPS	250	UG	SR	Foundations of Organizations	Prerequisites: CPST courses are restricted to students in the School of Continuing and Professional Studies An introduction to contemporary management with emphasis on organizational culture, decision making, organizational structure and design, planning, communication and information technology. Outcome: Students will demonstrate an understanding of the managerial roles in organizations, the four levels at which behavior is examined in organizations and will develop a framework for basic business operations.

5515	SPS	SPS	250	UG	SR	Foundations of Organizations	<p>Prerequisites: CPST courses are restricted to students in the School of Continuing and Professional Studies An introduction to contemporary management with emphasis on organizational culture, decision making, organizational structure and design, planning, communication and information technology.</p> <p>Outcome: Students will demonstrate an understanding of the managerial roles in organizations, the four levels at which behavior is examined in organizations and will develop a framework for basic business operations.</p>
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							Communication tools commonly employed in the behavioral sciences will be covered: interview development and implementation; best practices for conflict management, negotiation, consultation and persuasion; group facilitation best practices; change facilitation communication techniques including motivational interviewing; the impact of computer mediated communication on interpersonal dynamics; and cultural norms and interpersonal communication. Students interested in counseling and other helping professions, Human Resources, organizational development and the persuasion sciences will benefit from these tools. Enrollment is restricted to students in the School of Continuing and Professional Studies. Course Objectives 1. Identify best practices for core communication tools used in applied psychology (and behavioral sciences). 2. Develop skills in interview development and implementation, group facilitation, and motivational interviewing. 3. Evaluate techniques for conflict management, negotiation, consultation and persuasion. 4. Critique the impact of computer mediated communication of interpersonal dynamics. 5. Describe culturally agile communication techniques.
13626	SPS	SPS	322	UG	SR	Strategic Communication Tools	
							Prerequisite: PLST 332. Required of all students. Further instruction in legal research skills, focusing on locating, analyzing and updating statutory and administrative law. Practice in researching statutory and administrative law in hard copy and online. Drafting routine legal correspondence.
7261	SPS	PLST	333	UG	SR	Legal Res and Writing II	
							Prerequisite: PLST 331. Required of all students. Ethical considerations in the practice of law that paralegals are likely to encounter, especially the unauthorized practice of law, client confidentiality and conflicts of interest. Review of ethical codes for attorneys and paralegals.
7263	SPS	PLST	335	UG	SR	Legal Ethics	
							Prerequisite: PLST 331. Required of all students. Ethical considerations in the practice of law that paralegals are likely to encounter, especially the unauthorized practice of law, client confidentiality and conflicts of interest. Review of ethical codes for attorneys and paralegals.
7263	SPS	PLST	335	UG	Sr	Legal Ethics	
							Prerequisite: PLST 331. Required of all students. Ethical considerations in the practice of law that paralegals are likely to encounter, especially the unauthorized practice of law, client confidentiality and conflicts of interest. Review of ethical codes for attorneys and paralegals.
7263	SPS	PLST	335	UG	SR	Legal Ethics	
							Prerequisite: PLST 331. Required of all students. Ethical considerations in the practice of law that paralegals are likely to encounter, especially the unauthorized practice of law, client confidentiality and conflicts of interest. Review of ethical codes for attorneys and paralegals.



14032	SPS	SPS	341	UG	SR	UX Design to Drive Business	In this course students will learn how to connect and align business objectives with UX Design goals. Students will learn how to bring high-level planning into concrete actionable steps. Students learn Strategy for continuously Developing Brand and Identity through Design. Prerequisite: CPST 249 with C- or better. Students will be able to: Understand how effective UX is a strategic advantage for business; Connect and align business objectives with UX Design goals; Apply Design Thinking to create good UX.
7237	SPS	SPS	350	UG	SR	H.R Principles & Practices	Students will gain understanding human of resource management functions including the legal environment, equal employment opportunities requirements; job design and analysis; recruiting, orientation and training; performance appraisal; compensation systems; labor relations; collective bargaining and grievance processes; and health and safety. Prerequisite: CPST 250; Students must be enrolled in the School of Continuing and Professional Studies Outcome: Students will make a presentation about human resource components for an organization including job description, recruiting plan, hiring procedures, performance evaluation and collective bargaining considerations.
7237	SPS	SPS	350	UG	SR	H.R Principles & Practices	Students will gain understanding human of resource management functions including the legal environment, equal employment opportunities requirements; job design and analysis; recruiting, orientation and training; performance appraisal; compensation systems; labor relations; collective bargaining and grievance processes; and health and safety. Prerequisite: CPST 250; Students must be enrolled in the School of Continuing and Professional Studies Outcome: Students will make a presentation about human resource components for an organization including job description, recruiting plan, hiring procedures, performance evaluation and collective bargaining considerations.

5517	SPS	SPS	360	UG	SR	Develop and Change in Orgs	Prerequisites: CPST 250 Students will investigate the theory and practice of organizational development, examine assumptions, strategies, models, intervention techniques for organizational development and change processes. Students will also study the formation of collaborative relationships, overcoming resistance, gaining commitment and realigning culture. Outcome: Students will provide case studies that integrate data; design interventions, change strategies and an evaluation for diagnosing organizations, groups and jobs.
7234	SPS	SPS	370	UG	SR	Leadership Theor & Applic	Prerequisites: CPST 250 Students will study leadership theory, concepts and the practical application of leadership at all levels. Students will analyze historical approaches to leadership and focus on influential contemporary leadership perspectives such as servant leadership, situational leadership, transformational leadership, and principle-centered leadership. Outcome: Students will complete a leadership development plan and apply leadership theories to workplace situations through reflection, real-life examples, and case studies.
7238	SPS	SPS	380	UG	SR	Leadership, Culture and Ethics	Prerequisites: CPST 250 Students examine organizational ethics, values, strategy, culture, leadership and coaching. Students self-assess and refine their own concept of leadership and decision-making in the context of attitudes, environments, cultures, and issues faced by leaders in organizations. Outcome: Students will analyze descriptive and normative models of ethical decision making in business, leadership strengths and management style using real life situations, self-assessment and cases studies.

7239	SPS	SPS	390	UG	SR	Org Theory and Practice	Prerequisites: CPST 380. This course extends knowledge of organizations by examining organizational behavior at the macro level. Students will gain a deeper understanding of organizational theory and research including historical and modern era approaches. Students will also analyze organizational behavior and settings including an in-depth case study of a single company. Outcome: Students will be able to explain and apply concepts within the main areas of organizational structure, culture, communication and process.
6561	SSW	SOWK	502	GRAD	SR	Power, Oppress, Priv., Soc Jus	This course is designed to assist social work students with understanding the concepts of power, privilege, oppression, and social justice in their work with historically marginalized and oppressed populations. Outcomes: 1) Examine students' engagement in a deep exploration of self-awareness of their identities, values, and biases in several areas 2) recognize their knowledge and awareness of cultures and identities outside their own.
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6563	SSW	SOWK	504	GRAD	SR	Micro/Mezzo/Macro Theory & Pra	This course will focus on integrated practice approaches that span the micro (e.g., individuals/families/groups), mezzo (e.g., communities), and macro (e.g., systems, societal) frameworks. Outcomes: 1) Understand integrated practice models that apply across micro, mezzo, and macro domains, 2) appraise the quality and utility of empirical research related to the key theories, topics, and problems examined.

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6564	SSW	SOWK	505	GRAD	SR	Grp Wrk Prac: Micro/Mezzo/ Macr	This course presents theoretical and practical approaches to social work with groups, with a focus on group development, dynamics, and processes. Outcomes: 1) Understand the role of group work as a key social work methodology, and how group work is practiced within agency and community settings, 2) gain awareness of themselves as group members and facilitators.
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6564	SSW	SOWK	505	GRAD	SR	Grp Wrk Prac: Micro/Mezzo/ Macr	This course presents theoretical and practical approaches to social work with groups, with a focus on group development, dynamics, and processes. Outcomes: 1) Understand the role of group work as a key social work methodology, and how group work is practiced within agency and community settings, 2) gain awareness of themselves as group members and facilitators.
6565	SSW	SOWK	506	GRAD	SR	Research & Eval in SW Practice	This course introduces the methods of social work research, including problem formulation, research ethics, research designs, measurement, data collection, sampling, and data analysis through a social justice/anti-racist/global perspective. Outcomes: 1) Identify research literacy and research skills in order to be accountable, and to evaluate their own practice, programs, and service delivery in the field, 2) understand the methods of social work research.

6565	SSW	SOWK	506	GRAD	SR	Research & Eval in SW Practice	This course introduces the methods of social work research, including problem formulation, research ethics, research designs, measurement, data collection, sampling, and data analysis through a social justice/anti-racist/global perspective. Outcomes: 1) Identify research literacy and research skills in order to be accountable, and to evaluate their own practice, programs, and service delivery in the field, 2) understand the methods of social work research.
6565	SSW	SOWK	506	GRAD	SR	Research & Eval in SW Practice	This course introduces the methods of social work research, including problem formulation, research ethics, research designs, measurement, data collection, sampling, and data analysis through a social justice/anti-racist/global perspective. Outcomes: 1) Identify research literacy and research skills in order to be accountable, and to evaluate their own practice, programs, and service delivery in the field, 2) understand the methods of social work research.
6565	SSW	SOWK	506	GRAD	SR	Research & Eval in SW Practice	This course introduces the methods of social work research, including problem formulation, research ethics, research designs, measurement, data collection, sampling, and data analysis through a social justice/anti-racist/global perspective. Outcomes: 1) Identify research literacy and research skills in order to be accountable, and to evaluate their own practice, programs, and service delivery in the field, 2) understand the methods of social work research.

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6567	SSW	SOWK	509	GRAD	SR	SW Policy & Com. Intervention	Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Outcomes: 1) Examine social workers in policy practice & as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development
6567	SSW	SOWK	509	GRAD	SR	SW Policy & Com. Intervention	Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Outcomes: 1) Examine social workers in policy practice & as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development
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6577	SSW	SOWK	602	GRAD	SR	Health Policy and Systems	Health-care systems are examined in the context of social policy and healthcare needs. The effects of different levels of healthcare interventions, changing roles and responsibilities of government, the voluntary sector and the proprietary sector are assessed in relation to access and utilization of health care.
6577	SSW	SOWK	602	GRAD	SR	Health Policy and Systems	Health-care systems are examined in the context of social policy and healthcare needs. The effects of different levels of healthcare interventions, changing roles and responsibilities of government, the voluntary sector and the proprietary sector are assessed in relation to access and utilization of health care.
6577	SSW	SOWK	602	GRAD	SR	Health Policy and Systems	Health-care systems are examined in the context of social policy and healthcare needs. The effects of different levels of healthcare interventions, changing roles and responsibilities of government, the voluntary sector and the proprietary sector are assessed in relation to access and utilization of health care.
6589	SSW	SOWK	610H	GRAD	SR	Social Policy MH/Health	This class focuses on the interface between persons with mental health problems and the service delivery systems providing them with care. Course material looks at the impact of changing policy, prevention, and social trends on individuals with mental health challenges, their families, communities, and organizations that serve them.
6589	SSW	SOWK	610H	GRAD	SR	Social Policy MH/Health	This class focuses on the interface between persons with mental health problems and the service delivery systems providing them with care. Course material looks at the impact of changing policy, prevention, and social trends on individuals with mental health challenges, their families, communities, and organizations that serve them.

6589	SSW	SOWK	610H	GRAD	SR	Social Policy MH/Health	This class focuses on the interface between persons with mental health problems and the service delivery systems providing them with care. Course material looks at the impact of changing policy, prevention, and social trends on individuals with mental health challenges, their families, communities, and organizations that serve them.
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6536	SSW	SOWK	200	UG	SR	Intro to Social Work	This course is an introduction to the social work profession through the identification of some of the human problems in society and the role of both society and social services in response to the problems. Students have the opportunity to observe several social service agencies and to evaluate current ways in which agencies interpret social problems and administer services Students will be able to evaluate current ways in which agencies interpret social problems and administer services.
6536	SSW	SOWK	200	UG	SR	Intro to Social Work	This course is an introduction to the social work profession through the identification of some of the human problems in society and the role of both society and social services in response to the problems. Students have the opportunity to observe several social service agencies and to evaluate current ways in which agencies interpret social problems and administer services Students will be able to evaluate current ways in which agencies interpret social problems and administer services.
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6541	SSW	SOWK	302	UG	SR	Micro/Mezzo/Macro Theory & Pra	This course will focus on integrated practice approaches that span the micro (e.g., individuals/families/groups), mezzo (e.g., communities), and macro (e.g., systems, societal) frameworks. Prerequisites: Undergraduate Social Work majors. Senior standing, SOWK 200, SOWK 370, SOWK 305, (SOWK 201 or SOWK 307), SOWK 350 Outcomes: 1) Understand integrated practice models that apply across micro, mezzo, and macro domains, 2) appraise the quality and utility of empirical research related to the key theories, topics, and problems examined.
6541	SSW	SOWK	302	UG	SR	Micro/Mezzo/Macro Theory & Pra	This course will focus on integrated practice approaches that span the micro (e.g., individuals/families/groups), mezzo (e.g., communities), and macro (e.g., systems, societal) frameworks. Prerequisites: Undergraduate Social Work majors. Senior standing, SOWK 200, SOWK 370, SOWK 305, (SOWK 201 or SOWK 307), SOWK 350 Outcomes: 1) Understand integrated practice models that apply across micro, mezzo, and macro domains, 2) appraise the quality and utility of empirical research related to the key theories, topics, and problems examined.

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6542	SSW	SOWK	303	UG	SR	Grp Wrk Prac Micro/Mezzo/ Macro	This course presents theoretical and practical approaches to social work with groups, with a focus on group development, dynamics, and processes. Prerequisites: Undergraduate Social Work majors. Senior standing, SOWK 200, SOWK 370, SOWK 305, (SOWK 201 or SOWK 307), SOWK 350, and Pre- or Co-requisite SOWK 301. Outcomes: 1) Understand the role of group work as a key social work methodology, and how group work is practiced within agency and community settings, 2) gain awareness of themselves as group members and facilitators.

6542	SSW	SOWK	303	UG	SR	Grp Wrk Prac Micro/Mezzo/ Macro	This course presents theoretical and practical approaches to social work with groups, with a focus on group development, dynamics, and processes. Prerequisites: Undergraduate Social Work majors. Senior standing, SOWK 200, SOWK 370, SOWK 305, (SOWK 201 or SOWK 307), SOWK 350, and Pre- or Co-requisite SOWK 301. Outcomes: 1) Understand the role of group work as a key social work methodology, and how group work is practiced within agency and community settings, 2) gain awareness of themselves as group members and facilitators.
6542	SSW	SOWK	303	UG	SR	Grp Wrk Prac Micro/Mezzo/ Macro	This course presents theoretical and practical approaches to social work with groups, with a focus on group development, dynamics, and processes. Prerequisites: Undergraduate Social Work majors. Senior standing, SOWK 200, SOWK 370, SOWK 305, (SOWK 201 or SOWK 307), SOWK 350, and Pre- or Co-requisite SOWK 301. Outcomes: 1) Understand the role of group work as a key social work methodology, and how group work is practiced within agency and community settings, 2) gain awareness of themselves as group members and facilitators.
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6544	SSW	SOWK	307	UG	SR	SW Policy & Com. Intervention	<p>Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Prerequisites: Restricted to Undergraduate Social Work majors, Social Work minors, and Human Services majors. Junior standing, SOWK 200 as pre- or co-requisite and SOWK 370 as pre- or co-requisite. Outcomes: 1) Examine social workers in policy practice &amp; as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development</p>
6544	SSW	SOWK	307	UG	SR	SW Policy & Com. Intervention	<p>Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Prerequisites: Restricted to Undergraduate Social Work majors, Social Work minors, and Human Services majors. Junior standing, SOWK 200 as pre- or co-requisite and SOWK 370 as pre- or co-requisite. Outcomes: 1) Examine social workers in policy practice &amp; as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development</p>
6544	SSW	SOWK	307	UG	SR	SW Policy & Com. Intervention	<p>Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Prerequisites: Restricted to Undergraduate Social Work majors, Social Work minors, and Human Services majors. Junior standing, SOWK 200 as pre- or co-requisite and SOWK 370 as pre- or co-requisite. Outcomes: 1) Examine social workers in policy practice &amp; as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development</p>

6544	SSW	SOWK	307	UG	SR	SW Policy & Com. Intervention	<p>Drawing from social work theory, research, and practice, Social Work Policy and Community Interventions examines the roles of social workers in policy practice as well as change agents within community and organizational contexts. Prerequisites: Restricted to Undergraduate Social Work majors, Social Work minors, and Human Services majors. Junior standing, SOWK 200 as pre- or co-requisite and SOWK 370 as pre- or co-requisite. Outcomes: 1) Examine social workers in policy practice &amp; as change agents within communities and organizations, 2) understand the history and current structures of social policies and services; the role of policy in service delivery; and the role of practice in policy development</p>
6551	SSW	SOWK	370	UG	SR	Power, Oppress, Priv., Soc Jus	<p>This course is designed to assist social work students with understanding the concepts of power, privilege, oppression, and social justice in their work with historically marginalized and oppressed populations. Prerequisite: Sophomore standing Outcomes: 1) Examine students' engagement in a deep exploration of self-awareness of their identities, values, and biases in several areas 2) recognize their knowledge and awareness of cultures and identities outside their own.</p>
6551	SSW	SOWK	370	UG	SR	Power, Oppress, Priv., Soc Jus	<p>This course is designed to assist social work students with understanding the concepts of power, privilege, oppression, and social justice in their work with historically marginalized and oppressed populations. Prerequisite: Sophomore standing Outcomes: 1) Examine students' engagement in a deep exploration of self-awareness of their identities, values, and biases in several areas 2) recognize their knowledge and awareness of cultures and identities outside their own.</p>

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1226	GMED	GSP	403	GRAD	SR	Ethics Care Continuum	
1226	GMED	GSP	403	GRAD	SR	Ethics Care Continuum	
1227	GMED	GSP	404	GRAD	SR	Biomed Ethics and Law	
1227	GMED	GSP	404	GRAD	SR	Biomed Ethics and Law	
1228	GMED	GSP	405	GRAD	SR	Research and Ethics	
1228	GMED	GSP	405	GRAD	SR	Research and Ethics	
1229	GMED	GSP	406	GRAD	SR	Prin Health Care Ethics	
1229	GMED	GSP	406	GRAD	SR	Prin Health Care Ethics	
1230	GMED	GSP	407	GRAD	SR	Soc Determ of Hlth & Bioethics	
9774	GMED	GSP	408	GRAD	SR	Ethics, Gen. & Health Policy	
9775	GMED	GSP	409	GRAD	SR	Religion and Bioethics	
10210	GMED	GSP	411	GRAD	SR	Public Health Ethics	