Subject	#	Title	Sust. Course	Includes Sust.	Catalog Description
ANT	330	Anthropology of Selected World Areas		**1**	Current topics and methodology will be examined within one anthropological sub-discipline from the perspective of a particular geographic area. Focus will be on the fundamental question: What does anthropology contribute in terms of our understanding of people and cultures? Students may repeat provided each repeat is for a different area.
AAA	341	Civil Conflicts in Africa		1	The analysis of the nature and dynamics of both non-violent and violent conflicts - civil wars - in Africa, and the efforts to resolve them. The focus will be on selected case studies of African states. Fulfills one of the Issues/Themes requirements. Offered every year. Credits: 3
AAA	490	Practicum: Career-Service in Community Building		1	Agency experience in the community relating practical training and independent study in a specialized area in African American studies. Maximum of six credits. Nine hours of course preparation and permission of instructor and program coordinator. Offered fall and winter semesters. Credits: 1 to 6
AAA	333	Study Abroad-African/African-American Studies - GHANA		1	Of varying focus, the course makes use of the history, culture, and society of a host country in order to highlight disciplinary perspectives in context. To be taught in that country (or countries) as part of an approved study abroad program. By permit only. Credits may vary. Offered as needed. Prerequisites: Specific to course and instructor.
AHS	495	Issues in Health Professions		1	An overview of current issues impacting health care and health care delivery locally, nationally, and internationally. Students will be expected to synthesize materials learned in the health professions major core classes and cognates and to write and present professionally styled presentations.
ANT	204	Introduction to Cultural Anthropology		1	Introduces the discipline of anthropology by examining the diversity of human cultures that have been described by anthropologists over the last 100 years. The principles of anthropology are explained with examples drawn from non-Western culture. Comparisons are drawn with our own. Fulfills one of the Foundation - Social and Behavioral Sciences. Fulfills Cultures - World Perspectives. Offered fall and winter semesters. 3 cr
ANT	215	Origins of Civilization		1	This course examines the consequences of decisions made by our ancestors, the successes and failures of past civilizations, so that we may better understand our own behavior. Development of world civilizations is explored using historic, archaeological and other perspectives that inform us about the past. Fulfills Foundation - Historical Perspectives. Fulfills Cultures - World Perspectives. Offered winter semester. 3 cr.
ANT	308	Field Experience Abroad		1	Of varying focus, the course makes use of the history, culture, and society of a host country in order to highlight disciplinary perspectives in context. To be taught in that country (or countries) as part of an approved study abroad program. By permit only. Credit may vary. 1-6 cr.
ANT	340	Culture and Environment		1	Compares different adaptive strategies of cultures from around the world and seeks understanding of ethical and social values different groups have related to the environment. Attention is focused on how humans relied on cultural mechanisms in the past to adapt and change their physical and natural environment. Fulfills Cultures - World Perspectives. Part of the Sustainability Issue. Offered each semester. Prerequisites: Junior Standing, WRT 150, and either Historical Perspectives or US Diversity. 3 cr.

ANT	345	Perspectives on Globalization		1	The anthropology of globalization examines the emergence of “globalized local cultures.” Students employ the ethnographic approach to understand globalization as the intensification of interconnectedness, in which anthropologists learn that fundamental problems of deep and universal concern to humans everywhere will need to be addressed at local, national, and global levels. Offered fall semester, even years. Fulfills Cultures - World Perspectives. Part of the Globalization Issue. Prerequisite: Junior standing. 3 cr.
ANT	380	Cultural Resource Management		1	A series of courses providing an in-depth study of a problem in anthropology and the methods of investigating it. Various topics of crosscultural interest, such as human evolution, peasant cultures, preliterate societies, kinship pattern, and culture and personality will be examined. Offered on sufficient demand.
ANT	380	Environmental Archeology	1		A series of courses providing an in-depth study of a problem in anthropology and the methods of investigating it. Various topics of crosscultural interest, such as human evolution, peasant cultures, preliterate societies, kinship pattern, and culture and personality will be examined. Offered on sufficient demand.
ANT	495	SWS Practicing Anthropology		1	Provides students with a broad and comprehensive perspective on the fundamental assumptions and issues in anthropology. Emphasis on the application of anthropological knowledge to solve social problems. Given the diverse dimensions of current trends in anthropology, students will work to establish their particular interests with the field. Offered winter semester. Prerequisites: Senior standing in anthropology and ANT 405. 3 cr.
BIO	104	Biology for the 21st Century		1	Introductory course for nonscience majors designed to provide a biological literacy for making informed personal, social, and environmental decisions. Topics include cell biology, genetics and biotechnology, form and function of the human body, evolution and ecology. Does not count toward a biology major or minor. Fulfills Foundation - Life Sciences with a Lab. Offered every semester. 4 cr.
BIO	105	Environmental Science	1		Study of natural ecosystems, their interrelationships, and human impacts and evolution of humans and environmental determinants of their cultures. Land use, resource and energy utilization, population trends and causative factors, air and water pollution, and economic factors influencing decision-making are emphasized. Does not count toward a biology major or minor. Fulfills Foundation - Life Sciences. Fulfills one of the Issues/Themes requirements. (3-0-0) Offered every semester.
BIO	107	Great Lakes and Other Water Resources		1	A study of our region’s water resources, including the Great Lakes, streams, and groundwater, and relationships of people with these systems. Does not count toward a biology major or minor. Designated lecture and laboratory sections are tailored for prospective elementary teachers. Fulfills Foundation - Life Sciences with a Lab. (3-0-3) Offered fall semester. 4 cr.
BIO	109	Plants in the World	1		A nonmajors course that looks at the ways plants are used by humans as foods, flavorings, fibers, medicines, building materials, etc. Topics include biotechnology, environmental issues, and population issues. Fulfills Foundations - Life Sciences with a lab. (3-0-2) Offered fall and winter semesters. Credits: 4
BIO	215	General Ecology		1	Population, communities, and ecosystems, including primary productivity and energy flow, materials cycling, succession, population dynamics, and systems modeling. (3-0-3) Offered fall and summer semesters. Prerequisites: BIO 120 and 12 college credits; (BIO 121 recommended). 4 cr.

BIO	243	Plant Identification and Natural History	1		Examines the plants of West Michigan with emphasis on identification skills and natural history of the plants and communities in which they occur. Offered spring/summer semester. Prerequisite: BIO 121. Credits: 3
BIO	308	Wildlife Ecology		1	This course provides an introduction to wildlife ecology including population ecology as it relates to wildlife management and conservation.
BIO	309	Plants and Human Health	1		Examination of plants and fungi that are sources of medicines, herbal remedies, or are a regular part of people's diets and have been found to have specific health benefits. Only one of BIO 309, BIO 311, BIO 329, or BIO 349 may be counted toward a biology major or minor. Part of the Health Issue. Course offered fall and winter semesters. Prerequisites: Junior standing and completion of the Life Sciences general education category. Credits: 3
BIO	319	Global Agricultural Sustainability	1		Study of the biological and environmental principles at the foundation of agricultural sustainability; how various traditional and modern agricultural practices follow those principles and how social, cultural, and economic factors ultimately control agricultural practices. Cohesiveness with other courses in this theme will be maintained by highlighting a specific geographical region. (3-0-0) Offered fall and winter semester. Prerequisite: Completion of the General Education Life Science Requirement. 3 cr.
BIO	323	Aquatic and Wetland Plants		1	Examines the plants and algae of the major aquatic habitats of the Great Lakes region with emphasis on taxonomy and ecology. Offered fall semester. Prerequisite: BIO 121. Credits: 3
BIO	328	Biomedical Ethics		1	Examination of ethical dilemmas encountered in medicine and biomedical research, with an emphasis on obligations of health care workers to their patients. Biology majors may not use both BIO 328 and BIO 338 as elective credit within the major. Part of the Health Issue. (3-0-0) Offered fall, winter, and summer semesters. Prerequisites: Junior standing. 3 cr.
BIO	338	SWS Environmental Ethics	1		Examines philosophical underpinnings of environmental ethics. Explores approaches for understanding sustainability issues, solving ongoing environmental problems, and developing a global environmental ethic. Biology majors may not use both BIO 328 and BIO 338 as elective credit within the major. Part of the Sustainability Issue. Prerequisites: Junior Standing, Writing 150 (C or better). 3 cr.
BIO	352	Animal Behavior		1	Behavior of invertebrates and vertebrates with emphasis on adaptive significance. (2-0-3) Offered winter semester. Prerequisites: Two courses in biology or psychology or permission of instructor. Credits: 3
BIO	362	Fisheries Biology		1	Study of the anatomy, morphology, and classification of fishes and their biology, ecology, and evolution. Emphasis on species native to the Great Lakes region. (3-0-3) Offered fall semester. Prerequisite: BIO 121; BIO 120 is recommended. 4 cr.
BIO	370	Marine Biology		1	An exploration into the function, biodiversity and ecology of life in the ocean - the largest of Earth's ecosystems. Marine biology will emphasize principles and processes that underlie and unify vastly different marine communities through ecological and evolutionary perspectives. Course offered fall semester. Prerequisites: BIO 121 and BIO 215. 3.000 Credit hours

BIO	402	Aquatic Insects		1	Advanced study of taxonomic diversity and ecology of aquatic insects, with emphasis on the fauna of local lakes and streams. The role of aquatic insects in stream function and bio-assessment will be emphasized. Students will gain expertise in the scientific collection, curation and identification of aquatic insects.
BIO	403	Plant Structure and Function		1	Anatomy and physiology of plants, including interrelationships of structure and function in growth, flowering, seed germination, photosynthesis, respiration, water relations, and mineral nutrition. (3-0-2) Offered winter semester. Prerequisites: BIO 120 and BIO 121 and CHM 231 or CHM 241. Credits: 4
BIO	407	Biology and Society	1		Biological topics related to biodiversity, sustainability, alternative energy, environmental policy and economics, land use, climate change, historical influences, and cultural/societal attitudes conducted within an international context. The society-based experience is combined with readings, lectures, papers, and discussions.
BIO	408	Wildlife Management	1		An examination of techniques used in the management, research, and conservation of wildlife species. Introduces the fundamental concepts of wildlife management, including wildlife habitat requirements, evaluation of habitat suitability, interpretation of data analysis techniques, and applied techniques of habitat and population management. Offered fall semester. Prerequisite: BIO/NRM 308. 4 cr.
BIO	417	International Field Biology		1	One to three week trips to international locations to study the fauna, flora, ecology of representative ecosystems, climate, geology, paleobiology, environmental problems, and/or human impacts upon the above. The field-based experience is combined with readings, lectures, papers, and discussions. A maximum of six credits from BIO 417 & BIO 418 combined may be applied to the elective credit requirements for the Biology or NRM major. BIO 417 does not satisfy the plant or animal biology requirements, but may be repeated for credit. Offered fall, winter, and spring/summer semesters. Prerequisites:
BIO	418	Regional Field Biology		1	One to three week trips to U.S. regional locations to study the fauna, flora, ecology of representative ecosystems, climate, geology, paleobiology, environmental problems, and/or human impacts upon the previously listed. The field based experience is combined with readings, lectures, papers, and discussions.
BIO	440	Limnology		1	Ecology of lakes and streams with emphasis on the physical, chemical, and biological factors affecting their productivity. (2-0-4) Offered every second fall semester. Prerequisite: BIO 215 or permission of instructor. 4 cr.
BIO	450	Stream Ecology		1	Examines the structure and function of stream ecosystems, with emphasis on the physical, chemical, and biological factors that influence flowing-water habitats. Laboratory focuses on the methods of stream ecology, including collection and analysis of physical, chemical, and biological data. Field work emphasizes local stream ecosystems. (3-0-4) Offered every second fall semester. Prerequisites: BIO 121 and BIO 215 or permission of instructor. 4 cr.

BIO	460	Terrestrial Ecosystem Ecology		1	Investigation of the structure and function of terrestrial ecosystems using a systems approach. Biotic and abiotic processes controlling interactions among biogeochemical cycles in ecosystems will be discussed and examined. Topics will include controls on primary production, evapotranspiration, decomposition, and herbivory; and potential for anthropogenic changes in ecosystem processes. (3-0-3) Offered fall and occasional summer semesters. Prerequisite: BIO 215; NRM 281 recommended. 4 cr.
BIO	470	Conservation Biology	1		Theoretical concepts and research applications in the multidisciplinary and applied science of maintaining the planet's biodiversity at the genetic, species, and ecosystem levels. Topics include distribution, functions, and value of biodiversity; causes and consequences of biodiversity loss; conservation solutions; and social, political, legal, ethical, and economic aspects of biodiversity conservation.
BIO	570	Landscape Ecology Thoery and Applications		1	Landscape ecology explores the influence of landscape patterns on ecological processes. Topics include landscape patterns, dynamics, and heterogeneity; issues of scale; and spatial analysis. Students will examine various applications of landscape ecology concepts through discussions of peer-reviewed journal articles, computer-based assignments, and project work. Offered fall semester. Prerequisite: Graduate standing or permission of instructor. 3.000 Credit hours
BIO	651	Emerging Issues in Water Resources	1		The most pressing water resource-related issues facing the planet today will be discussed and analyzed. Particular emphasis will be placed on analyzing these problems from a variety of perspectives, including environmental, economic, societal, and political.
BMS	100	Human Health and Disease		1	Presents the basic terminology and concepts of medicine and health maintenance for non-science students. Emphasis is on the interaction of technical concepts of health and disease with the political, economic, legal, and ethical aspects of American society. Fulfills Foundation - Life Sciences. Offered fall, winter and occasionally summer semesters. Three credits.
BMS	105	Basic Nutrition		1	Investigation of the bases of nutrition, from a scientific and social-psychological viewpoint. Problems of malnutrition, food as a social phenomenon, and current controversies in nutrition will be discussed. Offered fall, winter, and occasionally summer semesters. Three credits.
BMS	223	Public Health Concepts		1	An introduction to the strategies and tactics, both past and present, for the control and eradication of infectious and chronic diseases of humans. Offered winter semester. Three credits. Fulfills one of the Issues/Themes requirements.
BMS	404	Community Nutrition		1	This course will cover the field of community nutrition characteristics, purpose, and job opportunities. It will also discuss the following: the methods used to assess a group or community's nutritional status; the tools to evaluate community intervention programs; the cultural diversity found in the community; and the implications of such diversity for health professionals. Offered Winter Semester. Prerequisite: BMS 105 and Junior standing. Three credits.
BMS	495	Concepts in Wellness		1	This biomedical sciences course will synthesize the materials students have learned from the biomedical sciences core and cognate courses and enable them to write and present professionally styled communications to an audience of their peers and instructors. (3-0-0) Offered fall, winter and occasionally summer semesters. Prerequisites: BMS 208, BMS 212, BMS 290 or BMS 291, and senior standing Offered for SWS credit. Three credits.

BUS	201	Legal Environment for Business		1	The legal, regulatory, and ethical environment in which business operates is explored, with emphasis on the regulation of business, international law, environmental law, ethics, the political and social factors influencing case and statutory law, contracts, employment law, and business organizations. Offered every semester. 3 cr.
BUS	301	International Business and Culture		1	Explores how business is done in a country or region, and how culture influences business and its environment. Reviews country's history, economics, politics, government, arts or education. Explores how business practices may differ from U.S. practices. To be taught in that country as part of a study abroad program. Fulfills Cultures - World Perspectives. Fulfills one of the Issues/Themes requirements. Offered spring/summer. 3 cr.
BUS	677	Business Ethical Problems & Perspectives		1	The study of ethical problems commonly encountered in modern global business environments. Students will study the ethical issues of character, leadership, decision making, organizational governance and social responsibility.
BUS	634	Sustainability Principles & Practices	1		This course, which carries 1.5 credit hours, provides an introduction to, and analysis of, the fundamental theories, concepts, principles, and practices of "sustainability" in the global society in which we live. Students analyze and apply theories to real-world scenarios, including to their current employers and work assignments.
CD	550	Food, Culture, and the Health Environment	1		The purpose of this course is to expose students directly to the role of food in culture, society, environment, and economy through readings and hands-on engagement with world foods and food issues as they pertain to clinical dietetics. Course offered fall semester. Prerequisite: Admission to the clinical dietetics program.
CAP	220	Fundamentals in PR		1	(Restricted to Advertising and Public Relations majors and minors). Basic principles covering the role of public relations in society, public relations principles and their application, procedures for planning and implementing public relations campaigns, the identification of publics and the strategies for influencing them. Course offered every semester. Prerequisites: CAP 105, CAP 115, and WRT 150 with grade of C (not C-) or better. 3.000 Credit hours
CAP	320	Public Relations Management and Cases		1	The public relations function viewed from the management, consultant, and employee positions through use of text material and case studies. Offered fall and winter semesters. Prerequisites: CAP 220. 3.000 Credit hours
CAP	423	Corporate Communications Writing		1	An advanced writing course on the research, development, and preparation of corporate communications. Uses desktop publishing. Includes brochures, annual reports, employee newsletters, executive speeches, position papers, backgrounders, corporate memos, customer letters, and crisis communications. Offered fall and winter semesters. 3.000 Credit hours
CAP	495	Ad and PR Campaigns		1	Planning and presentation of a response to an advertising/public relations problem or objective of an actual organization. Includes liaison with the client organization throughout the semester and presentation to the client at the conclusion of the semester's work. Offered fall and winter semesters. Prerequisites: CAP 310 or CAP 320; senior standing. 3.000 Credit hours

CHM	102	Chemistry and Society		1	A survey of some of the many ways in which chemistry is involved with people's day-to-day existence.
CHM	111	Introduction to Green Chemistry		1	Green Chemistry, also known as sustainable chemistry, is the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances. The course presents basic concepts of green chemistry and engineering. It is not applicable for chemistry majors or minors. Fulfills Foundation - Physical Sciences. 3 cr.
CHM	427	Green and Environment Chemistry Laboratory		1	Students are exposed to the methods used in environmental chemistry analysis and the application of green chemistry principles, benign design, life cycle analysis through experimental design, practical aspects of environmental, and human health issues. A solid understanding of methodology used in environmental laboratories and application of green chemistry is attained. Course offered winter semester. Prerequisites: CHM 221; CHM 241, or CHM 245 and CHM 246.
CHM	421	Green Chemistry for Sustainable Environment		1	Practical aspects of environmental and health issues are discussed following the principles of green chemistry. Environmental chemistry methods, application of green chemistry, benign design, and lifecycle analysis, through experimental design secure fundamental understanding of methodologies used in environmental laboratories and applications of green chemistry. Three hours of lecture per week. Course offered fall semester. Prerequisite: One of CHM 231, CHM 242, or CHM 247.
CHM	442	Synthetic Polymers: Life Cycle and Emerging Sustainable Technologies		1	Synthetic and analytical approaches to polymer and materials development using the principles of green chemistry. Coverage of how chemists incorporate principles of green chemistry and sustainable technologies into their workflow to assess the life cycles of polymers and materials. Three hours of lecture per week. Offered winter semester of even-numbered years. Prerequisite: CHM 242 or CHM 247
CJ	101	Justice and Society		1	This introduction to the study of crime and justice includes theories and methodologies from a variety of social science disciplines. The course also provides an introduction to the study of social control and to the origins of crime at individual, structural, and cultural levels. Fulfills Foundations - Social and Behavioral Sciences. Offered fall and winter semesters 3 cr
CJ	305	Constitutional Rights and Civil Liberties		1	Survey of the nature and extent of protection of civil liberties and civil rights of the accused under the U.S. Constitution through examination of landmark Supreme Court decisions. Offered fall and winter semesters. Credits: 3
CJ	350	Juvenile Justice Process		1	An analysis of the historical and philosophical foundations of the juvenile justice process and system. Special attention is given to legal and administrative issues, reforms, and controversies. Offered fall and winter semesters. Prerequisite: CJ 201. 3 credits

CJ	495	Issues in Criminal Justice (Capstone)		1	A Capstone course that will entail readings and discussion on contemporary criminal justice issues, ethics, and trends resulting in a senior paper/project. Offered fall and winter semesters. Prerequisites: CJ 201 and senior status.
CMB	150	Biotechnology and Society		1	An introduction to biotechnology, focuses on its application in, and impacts on, our society. Scientific, ethical, economic, legal, social and historical aspects of biotechnology will be covered. Class discussions and laboratory investigations of current topics, including cloning, agricultural biotechnology, genetically modified foods, stem cells, and medical biotechnology highlight the course. Fulfills Foundations - Life Sciences with a lab. Offered every semester.Credits: 4
CMB	350	Foundations of Brewing		1	Introduction to history, culture, theory and practice of brewing. Students design and brew a beer of choice. Implications of beer consumption on social, psychological and biological health are emphasized. Effects of human migration, technological advances, economics, culture and globalization on beer production are also addressed. Part of the Health Issue. Offered fall and winter semesters. Prerequisite: Junior standing.
COM	303	Debate		1	Instruction in techniques of argumentation and debate. Research methodology, logical analysis and argumentation, rhetorical strategies, technique of public presentation.
COM	372	Global Communications		1	A global focus on the relationship between media and society. The nature of global media in a world community. Varieties of media technologies, contents, and effects. How media encourage cross-cultural unity, or increase tensions within and between nations. Fulfills one of the Issues/Themes requirements. Offered fall semester. 3 cr.
COM	410	Senior Seminar in Health Communication		1	This course serves as a bridge between the student's academic and professional careers. The course helps students synthesize their communication education into a view of the dominant themes, issues and trends of the health communication field.
COM	438	Communication Ethics		1	An upper-division course for the study of communications ethics. Students explore how language and innocence are mutually exclusive, examine how rhetoric, ideology, and information bear upon social and personal evil, and consider ethics issues relating specifically to communicative media. Focus is directed to the assessment and development of ethical sense-making.
COM	490	Internship		1	A supervised work experience in an area of a student's potential career interest. Initiated by the student, who plans the work experience with the advisor, the faculty sponsor chosen to supervise the internship, and the supervisor at the worksite.

COM	495	Issues in Communication		1	Selected communications theories are examined in the context of contemporary issues/questions. Seminar-style analysis and application of concepts based on readings selected to support discussions about one or more current critical issues in communication.
COM	634	Ethics in Professional Communication		1	An examination of ethical issues and problems in professional communication. Special attention is given to understanding the connections between the communication industry and society, government, economics, and the law.
CJ	325	Criminal Justice and Human Rights		1	A comparative study of criminal justice in relation to past, current, and emerging human rights claims, violations, protections and enforcement locally, regionally, nationally, and internationally. Part of the Human Rights Issue. Offered winter semester. Prerequisite: Junior Standing. 3 cr.
CJ	380	Mod Slavery: Human Trafficking		1	Drawing on interdisciplinary approaches to globalization, the course critically examines the forced and/or coercive global transfer of people, the traffic and trafficking of humans, through historical and contemporary perspectives. Topics may include migrant smuggling, forced labor, slave trade, sex workers, voices of survival workers, and self-advocacy in survival communities. Part of the Globalization Issue. Cross-listed with INT 319 and HRT 319. Offered fall and winter semesters. Prerequisite: Junior standing.
CJ	380	Environmental Crime		1	Focuses on topics not ordinarily dealt with in other courses. Topics will be determined by faculty interest and student request. While the course can be repeated, no more than six credits can be applied to a criminal justice or legal studies major. Offered on sufficient demand. 1.000 TO 9.000 Credit hours
DS	360	Ethics of Digitial Culture		1	This course will investigate the ethical concepts emerging alongside digital innovation. Students will explore topics such as (but not limited to) social media, issues of privacy and security, cyber warfare, virtual representation, and internet access, plagiarism, and sustainability. Offered fall and winter semesters. Credits: 3
ECO	100	Current Economic Issues		1	Examination of current social issues from an economic perspective, such as drugs, rent control, environmental pollution, poverty, crime, and the distribution of medical care. Recommended for students interested in current issues. Students with any economics course at ECO 200 and above cannot take this course for credit. Fulfills one of the Foundation - Social and Behavioral Sciences. Offered fall and winter semesters. 3 cr
ECO	210	Introductory Macroeconomics	1		Introduction to the study of the national and global economies. Topics include the effects of government taxation and budget deficits on economic growth; ways to alleviate unemployment, inflation and international trade imbalances, and the importance of expectations and decision-making in an uncertain world. Fulfills one of the Foundation - Social and Behavioral Sciences. Offered every semester. Prerequisites: MTH 110 or MTH 122 or MTH 201, sophomore standing recommended. 3 cr.
ECO	313	Business Cycles and Growth		1	Topics include analysis of economic fluctuations and their impact on corporations and consumers; different explanations for business cycles; monetary and fiscal policy for stabilizing economic fluctuations; effects of public debt, investment, employment, and trade policy on economic growth. Offered every year. Prerequisites: ECO 210 or ECO 200 and admitted to Seidman College of Business or by permit. Credits: 3
ECO	336	Urban & Real Estate Economics		1	Applies economic models and methods for understanding urban real estate markets. Topics include urbanization and urban growth; determinants of land rents and urban spatial structure; characteristics and determinants of real estate markets; location choice; transportation, poverty, crime, and education in cities; relationship between real estate markets and business cycles. Offered winter semester. Prerequisite: ECO 211 or ECO 200. 3.000 Credit hours
ECO	345	Environmental and Resource Economics	1		Develops a systematic economic framework to analyze market and government allocations of natural and environmental resources. Topics include relationships between population growth, land development, and environmental quality; regulatory versus market oriented environmental policies; supplies and prices of mineral and energy resources; harvest and protection of forests and fisheries. Part of the Sustainability Issue. Offered each year. Prerequisites: Junior standing and ECO 200 or ECO 211. 3 cr.

ECO	349	Emerging Markets Issues		1	Emerging Markets Issues. Important problems in emerging markets throughout the world, such as: policies to stimulate growth via international trade; foreign aid and multinational investment in transitional economics; the use of natural resources and agriculture in economic development; and the relationship of economic development to education, health and migration. Fulfills Cultures - World Perspectives. Fulfills one of the Issues/Themes requirements. Offered every other year. Prerequisite: ECO 210 or ECO 200. 3 cr.
ECO	350	Gender and Economics		1	Analysis of gender differences in employment and earnings. Topics include allocation of time between the household and the labor market, employment and family structure, theories of discrimination, antipoverty programs, comparable worth, parental leave, and affirmative action. Historical trends and cross-cultural comparisons are discussed along with current U.S. conditions. Fulfills one of the Issues/Themes requirements. 3 cr.
ECO	369	International Economic Issues		1	Selected topics in both international trade and international finance. Includes preferential trading arrangements such as NAFTA and the European Union; analysis of barriers to trade and arguments for and against protectionism; the influence of exchange rates on capital flows; and the relationship between international trade and economic growth. Fulfills Cultures - World Perspectives. Fulfills one of the Issues/Themes requirements. Offered every year. Prerequisite: ECO 210 or ECO 200. 3 cr.
ECO	380	Health Economics		1	Application of microeconomic tools to health and medical care issues. Topics include demand for health care, economic choices of medical care providers, insurance markets, economic justification for government involvement in the medical care system, various proposals for health care reform in the U.S. and different health care systems in the world. Part of the Health Issue. Offered fall semester. Prerequisites: Junior standing and ECO 211 or ECO 200. 3 cr
ECO	385	GIS in Urban and Regional Analysis	1		Focus on applications of Geographic Information Systems (GIS) techniques in urban and regional analysis. Using a hands-on approach, students will explore how to use GIS techniques and large data sets to analyze economic, demographic and social change in the knowledge-based economy. Part of the Information, Innovation, and Technology Issue. Cross-listed with GPY 385. Offered fall semester. Prerequisites: Junior standing and admitted to Seidman College of Business or by permit. Credits: 3
ECO	435	Urban Economics		1	Topics include the urbanization process, the city as an economic system, location analysis, poverty, housing, pollution, transportation, and public finance. Fulfills one of the Issues/Themes requirements. Offered fall semester. Prerequisites: ECO 211 or ECO 200. 3 cr
ECO	440	Public Economics and Ethics		1	The provision of goods and services in the public sector, government decision-making, and fair and efficient taxation will be analyzed in light of the interaction between ethics and economics. Offered fall semester. Prerequisites: Either ECO 211 or ECO 200, and and admitted to Seidman College of Business or by permit. Credits: 3

ECO	643	Health Economics		1	This course employs economic tools to understand issues related to health care. Students will learn how to evaluate cost-benefit analysis, assess cost effectiveness, and interpret regression analysis. Microeconomic issues include resource allocation, production efficiencies, market structure, and industry performance. Macroeconomic issues include national policy, equity, and health care reform.
EDF	315	Diverse Perspectives on Education		1	This course will introduce the historical, philosophical, and sociological foundations of education in the United States. Emphasis will be placed on the changing purposes of education historically, the legal and procedural expansion of schooling to an increasingly diverse student population, and the cultural competencies needed to teach all students effectively. Fulfills Cultures - U.S. Diversity. Offered every semester. 3 cr
EDF	325	Learning from Detroit: Education and Community Revitalization	1		This course studies community revitalization efforts in the city of Detroit. Focusing on community-based initiatives that are strengthening neighborhoods, improving schools, and fostering the well-being of children, families, and neighborhoods in Detroit, this course invites students with diverse perspectives, from across content areas. The class includes two visits to Detroit. Part of the Identity Issue. Cross-listed with IDS 325. Course offered fall semester. Prerequisite: Junior standing. Credits: 3
EGR	306	Urban Sustainability	1		Social, environmental, economic points of view engaged to study how successful cities work. Study approached using assigned reading compared to direct observation and immersion into urban environments. Focus: interaction of built environment with social, natural environment. How engineering decisions about materials used in buildings impact structural integrity, energy use, economics. Offered fall and winter semesters. Part of the Sustainability Issue. Prerequisites: Junior standing. MTH 110
EGR	406	Renewable Energy Systems: Structure, Policy, and Analysis	1		A survey of the technological as well as economic, societal, and public policy issues associated with renewable energy systems. Topics include generation using renewable resources such as solar, wind, hydropower, and biomass as well as advanced energy storage systems and distribution. Energy research and analysis techniques are introduced.
EGR	463	Alternative Energy Systems and Applications	1		Introduction to the current issues of energy for sustainability. Principles of alternative and renewable energy sources including solar thermal, solar photovoltaic, wind, hydropower, biomass, geothermal, hydrogen and nuclear energy. Fundamentals of combustion of hydrocarbon fuels and alternative fuels such as biofuels. Fuel cells and electrochemical energy storage units. Offered fall semester. Prerequisites: EGR 360 or PHY 360 or permission of instructor. 4 cr
EGR	413	Materials for Energy Storage		1	Study of the materials for advanced energy storage. Topics include electrochemical reactions, anode and cathode materials, electrolyte materials, electrochemical testing of materials, typical responses of common materials, and life testing. In addition, tradeoffs in material performance are discussed.
EGR	513	Materials for Energy Storage		1	Study of the materials for advanced energy storage. Topics include electrochemical reactions, anode and cathode materials, electrolyte materials, electrochemical testing of materials, typical responses of common materials, and life testing. In addition, tradeoffs in material performance are discussed. Offered fall semester. Prerequisites: EGR 250 or EGR 257 or by permit. 3 cr
EGR	580	Alternative Energy Systems & Applications	1		A study of special topics not regularly covered in the curriculum; this course covers alternative energy systems.

ENG	382	SWS Nature Writing		1	Focuses on the literature that deals with the relationship between human beings and the natural world. Includes literary non-fiction, nature poetry, environmental fiction, and other forms of literature that illuminate both human and non-human nature. In addition to writing analytical papers, students will try several forms of nature writing. Fulfills one of the Issues/Themes requirements. Offered fall and winter semesters. Prerequisite: WRT 150. 3 cr
ENG	261	Foundations of Language study		1	An introduction to the principles of linguistics and linguistic analysis, with a focus on the structure and use of English. Coverage includes phonology, morphology, syntax, descriptive and prescriptive grammar, language history, and language variation. Prerequisite for 300/400-level English courses in applied linguistics. Offered fall and winter semester. 3.000 Credit hours
ENG	364	Sociolinguistics		1	Study of sociolinguistic theories investigating the interaction of language and society. An examination of the social and cultural aspects of language and language use: social stratification, power, gender, race, ethnicity, class, geographic origins, and networks. Offered fall semester. Prerequisites: ENG 261. 3.000 Credit hours
ENG	664	Sociolinguistics and Language Teaching		1	Introduction to major concepts, theories, findings, and research methods in sociolinguistics as they relate to second and foreign language teaching. Topics include language variation and change; standards, attitudes, and ideologies; world Englishes; language policy and planning; identity; and socialization. Focus on implications for teaching English in domestic and international contexts. Offered winter semester. Prerequisite: ENG 667. 3.000 Credit hours
ENG	665	Second Language Acquitition		1	An examination of the major theories of second language acquisition and various factors that influence the learning process among different age groups of learners from different first language backgrounds. The relationship between SLA research and
ENG	670	World Englishes: History and Variation		1	Examination of the external and internal history of the English language from Old English to present day English with emphasis on the development, change, and variation of regional and social varieties of World Englishes. Includes linguistic and textual analyses of corpora, social media, dictionaries, grammars, and other resources. Offered every other year. Prerequisite: ENG 667.
ENS	180	Special Topics in Environmental Studies	1		Readings, lectures, and/or discussions in specific topics not normally covered by other courses in the program. Credits: 1 to 9
ENS	201	Introduction to Environmental Studies and Sustainability	1		ENS 201 is an interdisciplinary exploration of the multiple ways by which human society influences, and is influenced by, its natural environment. Economic, political, and socio-cultural dimensions of environmental studies are presented through and interdisciplinary approach. Principles of sustainability are examined. Prerequisite: sophomore standing. 3 cr

ENS	280	Special Topics in Environmental Studies	1		Readings, lectures, and/or discussions in specific topics not normally covered by other courses in the program. Credits: 1-9
ENS	300	Principles of Sustainability	1		
ENS	303	Introduction to U.S. Environmental Policy	1		This course examines the decision-making processes to cope with modern environmental problems. The course focuses on both domestic and international environmental issues with special attention to interests, ideas, and institutions. Part of the Sustainability Issue. Cross-listed with PLS 303. Offered fall and winter semesters. Prerequisite: Junior standing. Credits: 3
ENS	305	Sustainability Assement and Reporting	1		Introduces methods of Sustainability Assessment and Reporting. The course reviews the goals of sustainability initiatives in different types of organizations, and considers how assessment and reporting best practices are determined by type of organization and its sustainability goals. Sustainability professionals present on their use of assessment and reporting frameworks. Offered fall semester. Prerequisite: ENS 201. Credits: 3
ENS	310	How the Biosphere Works	1		
ENS	311	To Bee or Not to Bee; Honey Bees and Social Impact	1		This course explores the centuries-old relationship between humans, nature and honey bees from a cultural, historical, and agricultural context. Pillars of our modern food system and bioindicator of our environment, honey bees provide important scientific, economic, philosophical, and political perspectives relevant to our current global climate. Offered fall and spring/summer semesters. Credits: 3
ENS	380	Special Topics in Environmental Studies	1		Readings, lectures, and/or discussions in specific topics not normally covered by other courses in the program. Credits: 1-9
ENS	392	Sustainable Agriculture: Ideas and Techniques	1		Students will study agricultural systems while being exposed to applied research at the sustainable agriculture project site. Students will investigate models of sustainable food systems that link production to economics, consumption, and nutrition. Part of the Sustainability Issue. Offered fall semester. Prerequisite: Junior standing. Credits: 3
ENS	401	Environmental Problem Solving	1		A problem-solving seminar in Environmental Studies. Attention will be given to vulnerabilities to environmental change, sustainable development, impact and risk assessment, adaptations to and mitigation of environmental problems at various scales. Multidisciplinary student teams will conduct original research and design sustainable practices and solutions for real-life environmental problems. Prerequisites: ENS 201 and junior standing. 3 cr
ENS	412	Global Environmental Change	1		The main theme of this course is the changing nature of our environment and human-environmental interactions. Topics include climatic fluctuations, environmental reconstructions, the interaction between humankind and the environment since
ENS	490	Internship	1		Supervised work experience in an area related to environmental studies.

ENS	491	Practicum	1		Three or more hours a week of applying environmental and sustainability studies principles in a public or community setting. Possibilities include a case study, field involvement, or conference attendance, and will result in a statement evaluating the theory and practice of environmental and sustainability studies. May be repeated for credit. Offered every semester. 1-6 credits. Prerequisite: Permission of the program director.
FIN	330	Ethics in Finance		1	This course relates ethical principles to issues faced by financial professionals in fields such as investment analysis, investment sales, corporate finance and financial institutions. A general background in moral philosophies will be provided. Offered winter semester. Prerequisite: FIN 320. 3 cr
GEO	100	Environmental Geology		1	The relationship between people and their physical geological environment. Topics include geologic hazards, hydrology and human health, mineral and energy resources, and land use planning. Primarily for non-science majors; not for Geology or Earth Science majors. Lectures and field trips. Fulfills Foundation - Physical Sciences. (3-0-0) Offered each semester and in summer. 3 cr
GEO	103	Oceans		1	Scientific investigation of the oceans and interactions among ocean, atmosphere, and lithosphere. Introduction to the chemistry of seawater, physics of water movement, coastal processes, geological oceanography, changes in the oceanic system through geologic time, and the role of oceans in Earth's geologic evolution.
GEO	105	Living with the Great Lakes		1	Introduction to Earth Science using the Great Lakes as a theme and Lake Michigan as a natural laboratory. Review of the Lakes' geologic setting, origin, and history; climatology and lake levels; physical processes including erosion; water chemistry as a function of geology; human interactions with the Lakes. Lectures and field trips. Fulfills Foundation - Physical Sciences. (3-0-0) Offered in fall semester and in summer. 3 cr
GEO	111	Exploring the Earth		1	Introduction to the study of Earth materials and processes, including minerals, rocks, mineral deposits, weathering, erosion, volcanism, and mountain building.
GEO	201	The Geosphere for K-8 Pre-Service Teachers		1	A study of those aspects of earth science that are related to the earth's lithosphere. Topics covered include geologic materials, geologic time, volcanoes, earthquakes, and plate tectonics. Hands-on investigation of the natural world is emphasized. Course is intended for integrated science majors. Does not count toward a geology major. (3-0-3) Offered fall and winter semesters. Credits: 4
GEO	202	Hydrosphere for Teachers		1	Introduction to how the hydrosphere works emphasizing a descriptive approach. Includes river, groundwater, glacial, ocean, and shoreline systems and human interaction with those systems.
GEO	203	Weather and Climate for K-8 Teachers		1	Introduction to how the atmosphere works emphasizing a descriptive approach. Includes daily, seasonal, and long-term changes, weather patterns, and relationships between human activities and the atmosphere.
GEO	300	Geology and the Environment		1	Detailed examination of interactions and connections between people and their geologic environment from an Earth Systems perspective. Using case studies and current events, students investigate complex environmental processes and issues related to the lithosphere, hydrosphere, atmosphere, and biosphere. Students will reach and defend decisions concerning personal, corporate, and governmental actions. Fulfills one of the Issues/Themes requirements; not included in the Geology/Earth Science major or minor. (3-0-0) Offered winter semester. Prerequisites: Junior standing and completion of Natural Sciences Foundation. 3 cr
GEO	320	Geomorphology		1	The patterns and genesis of landforms with emphasis on fluvial processes, climatic factors, and environmental implications. Independent study project or research paper required. Lectures, laboratory, and field trips.
GEO	360	Earth Resources in Transition: Conventional to Sustainable	1		Exploration of transition from conventional to sustainable earth resource issues, technologies, and science. Focuses on one, or a combination, of earth resources: water, energy, or earth materials (minerals and metals). Topics may include water resources, treatment and usage; oil and gas origins, exploration, recovery, and refining; mining and metals recovery.

GEO	425	GIS in Geology		1	Applied geographic information systems (GIS) in geology. Students already familiar with GIS will learn advanced skills and apply GIS skills to specific geology problems in hydrology, field mapping, mineral and land resources, water quality, and other topics based on student interest and background.
GEO	445	Introduction to Geochemistry		1	Topics include crystal chemistry (nuclear/solid-state chemistry), water geochemistry (kinetics) and mineral stability (thermodynamics).
GPY	100	Physical Geography	1		Explores the spatial patterns between landforms, natural systems of flora and fauna, and climate. Designed to increase awareness of the physical environment, its landscape, controls, and processes, and the interrelationships of natural phenomena.
GPY	101	Sustainability and Place	1		The concept of sustainability holds that the social, economic, and environmental factors within human communities must be viewed in the context of their geographic locations. Strategies and decisions for sustainable development require
GPY	220	Cultural Georaphy		1	The distinctive spatial patterns of culture around the world will be investigated. Examines the distributions of population, language, religion, race, agriculture, industry, urbanization, and development and how these distributions change over time.
GPY	235	Geography for a Changing Worls	1		A survey of geography followed by an examination of specific geographic concepts. Physical, cultural, economic, and related factors will be given more emphasis than place-name geography. Fulfills Foundation - Social and Behavioral Sciences. Fulfills Cultures - World Perspectives. Offered every semester.
GPY	345	The Geography and Land Use Management of the Great Lakes Area	1		A survey of Michigan's physical resources, such as climate, soils, hydrology. and flora as related to land use and land use management, exemplified in settlement patterns, demography, economic development, infrastructures, industrialization, urbanization, and jurisdictional structures. Offered fall semester. Credits: 3
GPY	351	Geography of Africa	1		Africa is one of the most fascinating world regions yet paradoxically one of the least known. The focus of this course is on the rich cultural (language, religion, agriculture, cities, health, economy) and physical (climate, vegetation, landforms) geographies of this vast region and how they have changed over time. Fulfills Cultures - Global Perspectives. Offered winter semester of odd-numbered years. Credits: 3
GPY	352	Geography of Latin America	1		The growth and development of Latin America has a significant impact on most activities in North America. Examines those effects and studies the cultural and physical development of Latin America. Fulfills Cultures - Global Perspectives. Offered winter semester. Credits: 3
GPY	353	Geograpy of the United States and Canada		1	A comparative study of the cultural and physical geographies of primarily the United States' population, cultural diversity, migration, resources, and economy, with those of Canada. Fulfills Cultures - U.S. Diversity. Offered winter semester. Credits: 3
GPY	354	Geography and Globalization of Asia	1		Introduction and survey of the physical and cultural geographies of Asia, their influence on the globalization of Asian economies, and the migration of Asian peoples. Part of the Globalization Issue. Offered fall semester. Prerequisite: Junior standing. Credits: 3
GPY	355	Geography of South West Asia		1	Introduction to physical and cultural geography of Southwest Asia and North Africa. Fulfills Cultures - Global Perspectives. Offered winter semester of even-numbered years. Credits: 3
GPY	356	The Geography, Culture and Land Use Management of Europe	1		A survey of Europe’s distribution and regional interactions of physical and human resources such as climate, soils, hydrology, and coastal geomorphology, along with cultural elements such as settlement patterns, language, ideology, economic development, infrastructure evolution, industrialization, urbanization, human capital, and jurisdictional developments and the associated land use management approaches. Fulfills Cultures - Global Perspectives. Offered winter semester. Credits: 3

GPY	361	People, Environment, and Development in the Amazon	1		This course explores natural resource use and human settlement over time in the Amazon Basin, from early tribal societies to the present. Topics include extractive economies, trade in animal and forest products, conservation and development initiatives, and the changing demands for resources in urban centers of Amazonia today.
GPY	362	A Geography of World Agriculture and Farmers		1	A geography of the world's agricultural practices and development at different scales, from traditional methods to industrial agriculture with an emphasis on farming societies. Topics include indigenous agriculture and crop domestication, agroforestry and plantation systems, land use and rural societies, export crops, aquaculture and livestock, and drug cultivation. Fulfills Cultures - World Perspectives. Part of Globalization Issue. Offered fall semester. Prerequisite: Junior standing. 3 cr
GPY	363	World Forests and Their Use		1	A geography of the world's forests and their use, from traditional to industrial practices over space and time. Topics include the local, national and international exploitation of forests, forest societies, foods, fuel and medicines, timber, protected areas, and the challenge of sustainable forest use in different regions and environments. Fulfills one of the Issues/Themes requirements. Offered fall semester. 3 cr
GPY	381/481	Sustainable Urban and Regional Planning in the Netherlends	1		Of varying focus, the course makes use of the history, culture, and society of a host country in order to highlight disciplinary perspectives in context. To be taught in that country (or countries) as part of an approved study abroad program. By permit only. Credit may vary.
GPY	410	Landscape Analysis	1		Landscape analysis is a broadly interdisciplinary study that includes concepts and methods of sustainable physical/human geography, ecology, planning, and architecture. It includes the biophysical and societal causes and consequences of landscape heterogeneity, processes and evolution. Conceptual and theoretical core of this course links natural sciences with related human disciplines.
GPY	412	Global Environmental Change	1		The main theme of this course is the changing nature of our environment and human-environmental interactions. Topics include climatic fluctuations, environmental reconstructions, the interaction between humankind and the environment since the prehistoric times, and human-induced environmental change of the last century at the global, continental and regional scales. Cross-listed with ENS 412. Fulfills one of the Issues/Themes requirements. Offered winter semester. Prerequisites: GPY 100 or BIO 105. 3 cr
HNR	235	SWS Democracy & Pol Thinking		1	Course explores the idea of democracy and its alternatives, with a focus on citizen participation, political judgment, and basic values of freedom, equality, and tolerance. The course pays special attention to the possibilities of and obstacles to student participation in politics, including the student's role in campus government. Fulfills one of the Foundation - Social and Behavioral Sciences. Offered fall semester. 3 cr
HNR	241	The Earth, A Global View		1	Course has two objectives: (1) understanding Earth as one global, holistic, delicately balanced dynamic system; and (2) understanding the critical interdependence between humans and Earth systems. Required field trip. Fulfills Foundation - Physical Sciences with a Lab. See University Honors College. (3-0-3) Offered fall and winter semesters. 4 cr

HNR	242	Plants and People		1	Plants are the dominant organisms on the landscape and are often taken for granted. The ecology, structure, function, genetics, and variety of plants are studied in order to develop an appreciation of the dependence of humans upon them for food, oxygen, shelter, medicines, and pleasure. Fulfills Foundation - Life Sciences with a Lab. Offered fall and winter semesters. 3 cr
HNR	264	Theory & Practice of Rights II		1	This is the second of a three-part foundational interdisciplinary sequence on the theory and practice of rights in the United States and around the globe. It examines debates about the meaning of human rights and their value for addressing injustices in western and nonwestern contexts. Fulfills one of the Foundation - Social and Behavioral Sciences. Course offered winter semester. Prerequisites: HNR 263, first-year honors student. Corequisite: HNR 265. 3.000 Credit hours
HNR	265	Theory & Practice of Rights III		1	This is the third of a three-part honors foundational interdisciplinary sequence on the theory and practice of rights in the United States and around the globe. It explores the experience of and resistance to human rights violations in particular cultural contexts. Fulfills one of the Foundation - Social and Behavioral Sciences. Fulfills Cultures - World Perspectives. Fulfills one of the issues requirements. Course offered winter semester. Prerequisites: HNR 263, first-year honors student. Corequisite: HNR 264. 3.000 Credit hours
HNR	281	Ghanaian Life and Culture	1		Of varying focus, the course makes use of the history, culture, and society of a host country in order to highlight disciplinary perspectives in context. To be taught in that country (or countries) as part of an approved study abroad program. By permit only. Credit may vary. 3 cr
HNR	311	SWS Prob Solving-Sustain Sols	1		An intensive, in-depth study of a special problem or topic. The seminar, taken in the junior or senior year, is a Capstone for the liberal arts component of the student’s education. It provides an occasion for considering the ways in which liberal arts disciplines impinge upon each other. Fulfills Cultures - World Perspectives. 3 cr
HNR	313	Designing Social Ventures	1		An intensive, in-depth study of a special problem or topic. The seminar, taken in the junior or senior year, is a Capstone for the liberal arts and sciences component of the student’s education. It provides an occasion for considering the ways in which liberal arts and sciences disciplines impinge upon each other. Fulfills one of the Issues requirements. Prerequisites: Junior standing.
HNR	313	Global Petroleum Systems	1		An intensive, in-depth study of a special problem or topic. The seminar, taken in the junior or senior year, is a capstone for the liberal arts and sciences component of the student's education. It provides an occasion for considering the ways in which liberal arts and sciences disciplines impinge upon each other. Prerequisites: Junior standing 3.000 Credit hours
HNR	313	Design Thinking		1	An intensive, in-depth study of a special problem or topic. The seminar, taken in the junior or senior year, is a capstone for the liberal arts and sciences component of the student's education. It provides an occasion for considering the ways in which liberal arts and sciences disciplines impinge upon each other. Fulfills one of the Issues requirements. Prerequisites: Junior standing 3.000 Credit hours

HST	202	History of Global Change and Social Transformation		1	A historical inquiry into long-term processes of global change and social transformation. Focus is on increasing interconnectedness of human communities from the deep past to the present, including spread of cultural, market and ecological exchanges, transport and communication technologies, developing ideas of social justice, and their connections to contemporary times. Fulfills Foundations - Historical Perspectives. Fulfills Cultures - Global Perspectives. Cross-listed with GSI 202. Offered fall and winter semesters. Credits: 3
HST	203	World History to 1500 A.D.		1	Basic content and methods of history through an introductory study of world cultures before 1500. The course focuses on specific societies in Africa, Asia, Europe, and the Western Hemisphere, analyzing and comparing the ways in which political, economic, social, cultural, and demographic factors influenced the development of these various cultures. Required for majors. Fulfills Foundations - Historical Perspectives. Fulfills Cultures - Global Perspectives. Supplemental writing skills course. Offered every semester. Credits: 3
HST	310	Cultural and Social Topics in Nonwestern History		1	Examines various topics in non-Western cultural and social history. Course explores a specific topic defined by the instructor. May be repeated for credit if content varies. Fulfills Cultures - Global Perspectives. Credits: 3
HST	316	U.S. Civil Rights Movement History		1	This course will focus on United States civil rights leaders and their rhetoric of resistance, and focus on the social and cultural formations that undermined racial segregation. It will also examine the events and forces that created space for a successful movement. Credits: 3
HST	319	Human Traffic and Trafficking		1	Drawing on interdisciplinary approaches to globalization, the course critically examines the forced and/or coercive global transfer of people, the traffic and trafficking of humans, through historical and contemporary perspectives. Topics may include migrant smuggling, forced labor, slave trade, sex workers, voices of survival workers, and self-advocacy in survival communities. Part of the Globalization Issue. Cross-listed with LIB 319 and HRT 319. Course offered fall and winter semesters. Prerequisite: Junior standing. Credits: 3
HTM	202	International Tourism		1	Introduction to international tourism focusing on the socio-economic effects of international tourism along with the inherent public-private interaction. International tourism is more than a set of industries, but rather an activity that encompasses human behavior, uses of resources (public and private), and interaction with other people, economies, and environments. Fulfills Cultures - World Perspectives. Offered fall semester. Prerequisites: HTM 101 suggested. 3 cr
HTM	235	Tourism and Recreation Management		1	An introduction to the dynamic domestic (U.S.) tourism and recreation / leisure industries, focusing on their strong linkages to both non profit and for profit oriented providers. Emphasis is given to entrepreneurship, economic development, sustainability, career opportunities, and the management of organizations. Offered on sufficient demand. 3.000 Credit hours
HTM	268	Adventure Tourism		1	An introductory course exploring the rapidly growing and diverse market for activity-based tourism. This class reviews the provision, management, and philosophy of outdoor activities and controlled adventure as well as identifying the motives and characteristics of the adventure traveler. 3.000 Credit hours

HTM	368	Geotourism	1		A study of geotourism, tourism that sustains or enhances the geographic character of a place. Topics include: community development, land use and planning, conservation of resources, tourist satisfaction and marketing, with the purpose of sustaining or enhancing the environment, culture, aesthetics, heritage, and the well-being of a places residents. Part of the Sustainability Issue. Offered fall and winter semesters. Prerequisites: Junior standing and HTM 202 (Recommended). 3 cr
HTM	333	Hospitality Facilities Management		1	The management of the hospitality facility with emphasis on preventive maintenance, energy, sustainability, and security. Offered fall semester. Prerequisite: HTM 101. 3.000 Credit hours
HTM	402	Tourism Policy Issues		1	This course provides a comprehensive overview of the theories of tourism development as well as an analytical approach to worldwide development issues. The roles of stakeholders are evaluated and there is a focus throughout on the applied theoretical discussions regarding development and sustainable management of tourism destinations and attractions. Offered winter semester. Prerequisites: HTM 202 or Permission of instructor. 3 cr
IDS	180	Interdisciplinary Studies Special Topics		1	This is an interdisciplinary special topics course. Focus will vary by semester and instructor. Course offered fall and winter semesters. 1.000 TO 3.000 Credit hours
IDS	183	Sustainability as a Lifestyle	1		This course will provide a broad and comprehensive perspective of sustainability practices. Students will be introduced to the fundamentals of sustainability through lectures, readings, field study activities, and guest speakers. The emphasis of this course will be on helping students incorporate sustainability practices in their lifestyle and experience at GVSU. Offered winter semester. Credits: 1
IDS	350	Civil Discourse		1	This topical course familiarizes students with communication tools of civil discourse. Students analyze the role of discourse in solving social problems and learn dialogic strategies for constructively engaging with diverse perspectives. Using the civil discourse skills of reasoning and respect, students collaborate with people of divergent views. Topical information: www.gvsu.edu/civildiscourse/. Part of the Identity Issue. Offered fall semester. Prerequisite: Junior standing. Credits: 3
ITC	100	Introduction to Intercultural Competence		1	This course introduces students to the concept of cultural competence, and provides them with the knowledge and application of skills necessary to succeed in diverse settings. This course examines theories of intercultural engagement and then requires students to consider how they might apply knowledge in diverse practical settings. Fulfills Cultures - U.S. Diversity. 3 cr

ITC	490	Practicum: Intercultural Learning Experience		1	The course is an application of intercultural principles in a public or community setting. Students will engage in both cohort learning activities as well as individual experiential placements. Students on qualifying semester study abroad programs can complete the practicum concurrently with participation in the cohort. Offered fall and winter semester. Prerequisite: ITC 100, and filing of application for certificate in Intercultural Competence. 3 cr
ITC	495	Culminating Seminar in Intercultural Competence		1	This is the culminating course required for completion of the Intercultural Competence Certificate. Students identify issues of cultural conflict in their communities or academic disciplines, and develop plans for how these issues might be addressed through cultural understanding or training. Offered winter semester. 3 cr
IDS	399	Idependent Readings		1	Hours, credit, topics, and time to be arranged with the individual faculty members with approval of the department. Credits: 1-3
LIB	201	Diversity in the United States		1	Explores how the intersections of race, ethnicity, gender, sexual orientation, class, religion and physical abilities affect the material lives and media representations of various cultural groups in the United States. Engages historical and current debates regarding issues of immigration, meritocracy, segregation, the economy, the environment, and identity. Fulfills one of the Foundation - Social and Behavioral Sciences. Fulfills Cultures - U.S. Diversity. Offered fall and winter semesters. 3 cr
LIB	322	Wicked Problems of Sustainability	1		Sustainability, as a wicked problem, is an intractable, on-going and high-stakes issue. This course engages students in participatory research on the inextricably linked dimensions of sustainability, such as economics, environment and social equity. Students will work with community partners to address specific interdisciplinary problems of sustainability.
LIB	323	Design Thinking	1		Design Thinking is an iterative, project-based, problem-solving process valued in organizations both locally and internationally. As interdisciplinary teams, students in this course will use the Design Thinking process to better facilitate the chaos of innovation by collaborating with stakeholders to meet real world needs. Part of the Information, Innovation, and Technology Issue. Offered fall and winter semesters. Prerequisite: Junior standing. 3.000 Credit hours
LIB	330	The Idea of Nature		1	A historical and cross-cultural examination of how nature has been interpreted by science, philosophy, religion, literature, and art. Fulfills one of the Issues/Themes requirements. Offered winter semester. 3 cr
LIB	341	Leadership for Social Change		1	An examination of the theory and practice of leadership in social change movements, focused on developing personal and organizational capacities for leadership in a liberal education context. Students identify a contemporary social issue and create an action plan for resolution, addressing that issue with at least one action step. Part of the Information, Innovation, and Technology Issue. Offered fall and winter semesters. Prerequisite: Junior standing. 3 cr
LIB	342	Food Matters	1		This course offers an interdisciplinary exploration of the relationship between food systems and food we consume every day. Analysis of competing information and integration of evolutionary, historical, socio-political, cultural and environmental factors shaping our current food systems lead back to the basics of nutrition, agricultural practices and equitable food systems.

MES	370	Contemporary Issues in the Middle East: The Model Arab League		1	Students in this course will learn about the current political, environmental, economic, social, cultural, military, and international affairs of Middle Eastern countries. They will research these issues and participate in the Model Arab League simulation as part of the course. May be repeated for credit if content differs. Part of the Human Rights Issue. Course offered winter semester. Prerequisite: Junior standing. Credits: 3
MGT	340	Business, Social Change and Ethics	1		Examines the process of business development and the ethical questions that process raises. Particular attention is paid to the questions raised by market pressures, bureaucratic organization and income stratification. Fulfills one of the Issues/Themes requirements. Offered every semester. 3 cr
MGT	438	Business Ethics		1	An inquiry into the relevance of the classical ethical literature to the resolution of everyday business problems. Particular emphasis will be placed on the practical usefulness of the Socratic tradition. That tradition requires that we attend to clarifying our own values as well as those of others. We will read a number of Socratic Dialogues, respond to a variety of business cases, and attend to the relationship between them and the process of understanding ourselves. Fulfills one of the Issues/Themes requirements. Prerequisite: MGT 331. 3 cr
MGT	355	The Diversified Workforce		1	An examination of the experiences of different groups in the U.S. workforce, including race, ethnicity, gender, age, disability, and sexual orientation. Cultural differences are explored and a consideration is given to the ways in which organizational norms operate to include or marginalize different groups of people. Fulfills Cultures - U.S. Diversity. Fulfills one of the Issues/Themes requirements. 3 cr
MGT	466	International Management and Multinational Corporations		1	A study of the managerial challenges of conducting business in a global economy. Emphasis on cultural differences and their impact on the situations and issues managers confront when working internationally. Requires senior status or approval of instructor. Fulfills one of the Issues/Themes requirements. Fulfills Cultures - World Perspectives. Prerequisite: Senior status. 3 cr
MGT	672	Creativity and Social Entrepreneurship		1	This course provides applied sustainable development tools and best practices that businesses and non-profit organizations can use to address social entrepreneurship issues using innovative, interdisciplinary, and sustainable approaches.
MKT	350	Marketing Management		1	An introduction to marketing. Provides a general understanding and appreciation of the forces operating, institutions employed, and methods followed in marketing products and services both domestically and internationally.
MKT	352	Marketing Research		1	Detailed examination of business research procedures and applications. Problem definition, research design, data collection, sampling techniques, costs, etc. Case problems and projects.
MKT	354	Distribution Institutions and Logistics		1	An integrated study of supply chain and distribution channels, and their institutions in the global marketplace. Topics include an introduction to the supply chains, system design, advantages and disadvantages of various channel institution types, and the functional dimensions of supply chain and distribution management.
MKT	370	New Product Development		1	This course teaches students how to develop a successful new product or service. Student teams experience the whole process involved in bringing a new product from idea to launch. Emphasis is on the application of fundamental marketing and entrepreneurial principles required to achieve continuous innovation and sustainable competitive advantage.
MKT	375	Marketing Ethics		1	The ethical implications of several current marketing public policy issues will be discussed, including consideration of each issue with regard to the responsibility of business in society. Guidelines for ethical decision-making, principles of ethical leadership, and ethical behavior in corporate governance will also be reviewed.

MKT	451	Marketing Strategy		1	A methodical analysis of a significant number of marketing cases selected from actual business experience to illustrate the application of sound principles to market planning, sales forecasting, and market management. Offered fall and winter semesters.
MKT	651	Marketing Management		1	Focuses on developing an understanding of the role of markets and marketing in the macroeconomic environment, and on providing marketing managers with the knowledge and tools they will need to successfully analyze product markets and develop marketing strategies that will provide sustainable competitive advantage.
MKT	680	Social Media		1	In-depth analysis of selected current topics and problems in marketing. Content will vary from semester to semester among the many subareas of marketing management, physical distribution, systems analysis/design, application, model building and theory; this course focuses on social media.
NRM	140	The Climatic Factor		1	A study of the atmosphere, broad aspects of weather and climate, microclimatology, and the geography of climate and effects on terrain, vegetation, and people. (3-0-2) Offered fall and winter semesters. 4 cr
NRM	150	Introduction to Natural Resources	1		Survey of natural resource issues and environmental problems. The course will use an integrated approach involving concepts from natural and social sciences to provide a foundation for understanding past, present, and future natural resource issues including biodiversity, land use, water and air pollution, human population, energy use, and waste management. (0-3-0) Offered fall and winter semesters. 3 cr
NRM	240	Principles of Climatology	1		The atmosphere, broad aspects of weather and climate, microclimatology, and paleoclimatology. Instrumentation, data presentation, ecoclimate, and microclimatological field observations. Lecture, laboratory, and field trips. (3-0-2) 4 cr
NRM	281	Principles of Soil Science		1	Aspects of the physical, chemical, and biological properties of soils. (3-0-3) Offered fall semester. 4 cr
NRM	300	Ethical Recreation: Leave No Trace	1		This three-day backpacking course covers how increasing recreational use of public lands can impact biophysical resources and visitors' experience. Students will apply the principles and practices of the Leave No Trace (LNT) program which are designed to reduce the effects of wildland recreation. LNT certification possible upon successful completion. Offered spring semester. Prerequisites: Completion of the General Education Life Sciences requirement. Junior standing. Permit required. 1 cr
NRM	308	Wildlife Ecology		1	This course provides an introduction to wildlife ecology including population ecology as it relates to wildlife management and conservation. Offered winter semester. Prerequisite: BIO 215. 4 cr
NRM	320	Introduction to Resource Systems		1	Basic principles, terminology, and methodology for the analysis and modeling of resource systems, including natural environments and human ecosystems. (2-0-3) Offered winter semester. Prerequisites: BIO 215 and MTH 122. 3 cr

NRM	330	Environmental Pollution		1	Investigation of causes and effects of water, soil and air pollution. Prevention and management of pollution will be discussed and examined from natural and social science perspectives. Design of impact assessment studies, data interpretation and laboratory methods. Topics may include waste disposal, acid deposition, climate change, toxicology, and risk assessment. (2-0-3) Offered winter semester. Prerequisite: CHM 109 or CHM 116. 3 cr
NRM	380	Renewable Energy Management and Molding	1		Lecture, discussion, laboratory, or field experience (or any combination of the preceding) in specific areas of resource management. Prerequisites: Variable.
NRM	380	Livelihoods, Resources, and Development	1		Lecture, discussion, laboratory, or field experience (or any combination of the preceding) in specific areas of resource management. Prerequisites: Variable. 0.000 TO 9.000 Credit hours
NRM	380	Managing Soil Health	1		Lecture, discussion, laboratory, or field experience (or any combination of the preceding) in specific areas of resource management. Prerequisites: Variable. 0.000 TO 9.000 Credit hours
NRM	386	Ecological Restoration & Management	1		This course will introduce students to ecological restoration and examines the practical methods and techniques used in ecosystem restoration and management.
NRM	395	GIS Applications in Resource Management		1	Explores applications of Geographic Information Systems (GIS) in natural resources management. Students will work on projects and examine several case studies in which GIS is used for the management of natural resources, including watershed analysis, environmental impact of timber sales, habitat loss, and endangered species conservation. (2-0-3) Offered fall semester. Prerequisite: GPY 307 or NRM 250. 3 cr
NRM	407	Natural Resources and Society: Study Abroad	1		Natural resources topics related to biodiversity, sustainability, alternative energy, environmental policy and economics, land use, climate change, historical influences, and cultural/societal attitudes conducted within an international context. The society-based experience is combined with readings, lectures, papers, and discussions. 1-4 cr
NRM	417	International Field Studies in Resource Ecology & Mgmt	1		Intensive field work related to natural resources ecology, conservation, preservation, and management conducted within an international context. The field-based experience is combined with readings, lectures, papers, and discussions.
NRM	420	Wildland Recreation Management	1		Learn about the challenges of managing wildland recreation that both meets the needs of users and preserves the ecological health of ecosystems. Learn techniques to manage dispersed recreation that occurs on public lands and waters and how to limit their impact on visitors and soil, vegetation, water, and wildlife. (3-0-0) Offered fall semester. 3 cr
NRM	450	Applied Spatial Analysis of Natural Resources		1	The course focuses on environmental and natural resource applications of computer-based spatial analysis concepts and techniques. Students will analyze contemporary environmental challenges using, for example, advanced geographic information systems (GIS) tools, image interpretation and analysis, simulation modeling, and spatial analysis.
NRM	451	Natural Resource Policy	1		Study of how natural resource policy is developed and implemented in the United States. Focuses on public policies toward renewable resources such as forests, biodiversity, land, recreation, and water. Includes foundations of the American legal system, choice of policy instruments, and basic methods of policy analysis. Part of the Sustainability Issue. (4-0-0) Offered fall and winter semesters. Prerequisites: Junior standing and completion of Natural Science Foundation; OR permission of instructor. 3 cr
NRM	452	Watershed and Wetland Management	1		Theory and application of wild land and urban hydrology, including the values of watersheds and wetlands as domestic ecosystems. (3-0-3) Offered fall semester. Prerequisites: GEO 111, MTH 122, and NRM 250. 4 cr

NRM	462	Forest Ecosystem Management	1		Traditional forestry practices will be introduced, with emphasis on how established practices can be integrated with the concepts of sustainable forestry and ecosystem management. The presentation, discussion, and synthesis of new approaches to the management of forest ecosystems will be especially stressed. (3-0-3) Offered winter semester. Prerequisite: NRM 250. 4
NRM	486	Restoration Ecology	1		Lecture, discussion, laboratory, or field experience (or any combination of the preceding) in specific areas of resource management.
NRM	496	NRM Issues in Southwest	1		Temporary course - description not available.
NRM	495	SWS Trends in NRM	1		A comprehensive and integrative analysis of the fundamental assumptions, issues, and problems of natural resources management. Examines the historical roots of natural resource management, identifies factors that caused natural resource management to change, and explores proposals for managing natural resources in the future. (0-4-0) Offered fall and winter semesters. Prerequisites: Completion of 20 credits in NRM, STA 215. 4 cr
NRM	552	Fisheries Management	1		An introduction to the principles of fisheries science and management, focusing on the process and tools for managing fish populations and their habitat as well as emphasizing quantitative methods for fisheries assessment.
NRM	576	Aquatic Ecosystem Management	1		Wise management of aquatic ecosystems is a pressing need with societal demands on freshwater increasing. This class allows for hands-on experience developing and implementing a management plan in a local setting by linking an understanding of aquatic ecosystem structure and function with management, restoration, and protection. Cross-listed with WAT 576. Offered winter of even-numbered years. Prerequisite: Graduate standing or permission of instructor. Credits: 3
OSH	300	Introduction to Occupational Safety and Health		1	An overview of safety and health concepts (accidents, legal accountability, hazard recognition/remediation, countermeasures, and risk) as they apply in a variety of occupational settings.
OSH	310	Hazard Recognition and Control		1	A study of general and mechanical hazards found in the workplace and methods of controlling them to limit employee exposure.
OSH	316	Health and Safety Techniques		1	Laboratory experience designed to expose students to various monitoring tools used in the development and maintenance of a comprehensive safety program in an occupational setting.
OSH	326	Principles of Industrial Hygiene		1	A study of industrial hygiene methods, measurement, and equipment.
OSH	350	Behavioral Aspects of Safety		1	An examination of various pathways in psychology, their impact on the individual, on safety, and the application of basic psychological principles in the safety profession.
OSH	410	Ergonomic Safety Engineering		1	An examination of various ergonomic engineering and human factors engineering methods used by safety specialists to reduce injury producing work conditions. Topics covered include systems safety analysis, fault tree analysis, MORT, as these tools relate to an effective ergonomic program.
OSH	414	Environmental Safety and Health Regulations		1	A study of laws addressing environmental pollution and hazardous waste management. (3-0-0) 3 cr

OSH	416	Advanced Industrial Hygiene		1	A study of laws addressing environmental pollution and hazardous waste management.
OSH	440	Safety and Health Program Development		1	An examination of the concepts and tools used in safety program development and implementation for a variety of work settings
OSH	460	Environmental Compliance Applications		1	Instruction in the professional management of environmental regulations, utilizing classroom and practical applications. Offered winter semester. Prerequisite: OSH 414 or permission of instructor. Credits: 3
OSH	495	Safety and Health Administration		1	An integrative exploration of the administrative function of a comprehensive safety program with emphasis on operations analysis, design, implementation, and evaluation.
PA	324	Urbanization	1		Examines the process of urbanization, its impact on various cultures, and its long-term sustainability. Considers the rapid urbanization in the developing countries and the dynamic growth of global urban systems, emphasizing the evolution of cities over time, space, and vastly different social, political, and cultural environments. Fulfills Cultures - Global Perspectives. Part of the Sustainability Issue. Cross-listed with GPY 324. Offered fall semester. Prerequisite: Junior standing. Credits: 3
PA	380	Disaster Relief/Emerg Prepared		1	Disaster relief and emergency preparedness.
PA	552	Law & Ethics in Local Government		1	Advanced-level workshop directed toward public sector professionals focusing on specific public sector problems and policies.
PA	641	Economic and Community Development		1	Describes and evaluates ways to coordinate the efforts of public agencies, private businesses, and nonprofit organizations to address planning, economic development, and employment issues more comprehensively. Included in this analysis are public and private programs basic to economic development; state and federal enabling legislation and regulations; local ordinance and public/private partnership alternatives.
PA	670	International NGO Management		1	Theory and cases in international nongovernmental organizations (INGO) management. Analysis of various types and various roles played by INGOs. Relationship between INGOs and other actors in international development such as multilateral and bilateral donors, host governments, local NGOs and local communities. Resource generation and management. Assessment and improvement of INGO performance.
PA	550	Applications of Sustainability Principles to	1		Advanced-level workshop directed toward public sector professionals focusing on specific public sector problems and policies. Format and scheduling are flexible and may include weekend sessions. Topics will vary and prerequisites may be established.
PA	671	Building Sustainable Communities	1		Provides an overview of ecological, energy, climatic and consumption issues impacting local communities. Through a multidisciplinary approach, students study the relationship among society, organizations, and the natural environment.
PA	672	Building Sustainable Public-Serving Organizations	1		Provides guidelines for local government and nonprofit managers who are transitioning their organizations to sustainable methods and practices. Students learn how to measure and analyze an organization's environmental footprint and social
PAS	554	Community Service Learning Project/Phys Asst Prof Issues II		1	These workshops provide students with timely, interesting, and diverse content that complements learning in their graduate courses and exposes them with the topics, trends and thought leadership currently engaging the Johnson Center for Philanthropy. Through the workshops, students have the opportunity to interact with both local and visiting practitioners and thought leaders.
PAS	620	Community Service Learning Project/Clinical Rotations II		1	Second course to transition students from didactic to clinical training. Students will be assigned to a combination of clinical rotations selected from: family practice, internal medicine, OB/GYN, geriatric medicine, pediatrics, psychiatric medicine, emergency medicine, surgery, rural medicine, underserved medicine, and clinical electives.
PED	376	Sport Facility and Event Management		1	This course examines the principles of facility operations and event management in the industry of Sport Management. This class provides students with an in-depth investigation of the unique challenges and opportunities that are routinely faced by a

PED	380	Facility and Event Management		1	Study of special problems in physical education upon consultation with advisor and approval of department chair.
PH	500	Introduction to Public Health		1	Introduction to the history, philosophy, current concepts, practice, and administration of public health in the United States.
PH	505	Social/Behavior Public Health		1	This course examines the broad foundation in public health theory and tools for its application within the larger scope of public health research and practice. The course will provide an understanding of how both social and behavioral theory is essential in the creation of effective intervention approaches. Course offered winter semester. Prerequisite: Admission to the master of public health program. 3.000 Credit hours
PH	520	Environmental and Occupational Health	1		Presents basic concepts of environmental health and occupational health. Students will explore the biological, chemical, and physical factors from the environment (community and occupational) that impact the health of the public at a global and local level. Topics covered include air and water quality and industrial hygiene. Course offered winter semester. Prerequisite: Admission to the master of public health program. 3.000 Credit hours
PH	540	Public Health Law and Ethics		1	This course investigates elements of legal and ethical theories in public health. Students will use a case study approach to scrutinize ethical and legal issues in public practice, administration, and research. Course offered spring/summer semester. Prerequisite: Admission to the master of public health program. 3.000 Credit hours
PH	630	Health and Disease Disparities		1	Presents patterns, causes, and possible solutions to health disparities. The course will identify the role of race, ethnicity, and socioeconomic status in health research and access and utilization of health services. Course offered winter semester. Prerequisite: Admission to the master of public health program. 3.000 Credit hours
PH	633	Public Health and Environemental Impact Assesment	1		The course will emphasize related concepts, theory, assessment methods, and integration and evaluation of models to examine contamination due to air, water, and soil pollution. Course offered spring/summer semester. Prerequisite: PH 520. Credits: 3
PH	634	Environmental Justice	1		This course addresses the unequal burdens of environmental contamination and health disparities affecting marginalized communities across the U.S. and internationally. Environmental health/justice theories and illness and disease related to environmental atrocities will be discussed. Course offered spring/summer semester. Prerequisite: PH 520. Credits: 3
PH	645	Global Environment and Occupational Health		1	This course addresses environmental and occupational health in respect to developed, emerging, and less developed countries. Students are educated from an international perspective to analyze global trends in core areas of environment-human interaction with emphasis on vulnerable populations. Course offered fall semester. Prerequisite: PH 520. Credits: 3

PHI	102	Ethics		1	What is good? What is evil? Are there objective standards for right and wrong? What are these objective standards? How can they be applied to important contemporary moral problems? This course considers the answers philosophers give to these and related questions.
PHI	320	Social and Political Philosophy		1	Analyzes the intellectual appropriation of the concept of freedom over time. Emphasis will be given to the dynamic interaction between freedom and social control in classics of Western philosophy from ancient times to modernity. Authors include Plato, Epicurus, Aristotle, Aurelius, Augustine, Hobbes, Rousseau, and Marx. Part of Human Rights Issue. Offered fall and winter semesters. Prerequisite: Junior standing. 3.000 Credit hours
PHI	325	Ethics in Professional Life		1	Examination of ethical principles and practice in business, medicine, education, law, and government. This course aims at providing students with the intellectual framework for an ethical analysis of situations which arise within various professions. Also seeks to foster mutual understanding across professional lines.
PLS	103	Issues in World Politics		1	Analysis and discussion of contemporary issues in world politics as a vehicle for introducing core concepts in comparative politics, such as democracy, dictatorship, civil society, power, nationalism, political economy, social policy, identity politics, and development. Students will gain basic familiarity with the institutions, actors, and processes that influence world politics. Fulfills one of the Foundation - Social and Behavioral Sciences. Fulfills Cultures - World Perspectives. Offered every semester. 3 cr
PLS	105	Introduction to Human Rights		1	Introduction to the historical and conceptual development of human rights as moral, legal, and cultural constraints on the behavior of states in relation to their citizens. Analysis is theoretical, exploring philosophical arguments surrounding the historical development of human rights and their current role in legal, cultural, literary and political products. Fulfills Foundation - Philosophy and Literature. Offered fall and winter semesters. 3 cr
PLS	302	Women, Politics, and Public Policy		1	This course explores the ways that gender influences government and policy decisions. Students will explore many gendered issues and the relevant policy responses. Topics include domestic violence, reproductive policies, divorce and the family, marriage and the family, poverty, class, and compensation. Offered winter semester. Prerequisite: PLS 102 or Junior Standing. 3 cr
PLS	303	Introduction to US Environmental Policy	1		This course examines the decision making processes to cope with modern environmental problems. The course focuses on both domestic and international environmental issues with special attention to interests, ideas, and institutions.
PLS	310	Politics and Health Policy		1	Explores contemporary issues in health policy and politics. Students will develop an understanding of the historical context, institutions, participants, and issues that structure health policy. Special emphasis on the politics of health care reform in the 1990s. Offered fall semester. Prerequisite: PLS 102 or junior standing. 3 cr

PLS	311	International Conflict and Conflict Resolution		1	Analysis of the causes of war and conditions for peace. Topics also include peacekeeping operations and the outcomes and ethics of war. Fulfills one of the Issues/Themes requirements. Offered fall and winter semesters. Prerequisite: PLS 211 or junior standing. 3 cr
PLS	316	Human Rights in International Politics		1	An analysis of human rights as an increasingly influential principle in international relations, and the friction between sovereignty and international standards of behavior. Topics covered within class may include the theoretical origins of human rights, international norms, international law, sovereignty, interventionism, particularly viewed through historical and contemporary human rights cases. Offered fall semester. Prerequisite: PLS 103 or PLS 211 or junior standing. 3 cr
PSY	355	Psychology and Culture		1	Exploration of the interaction between ecological and cultural variables and psychological processes. Topics include cultural influences on perception and cognition, personality, cognitive and social development, social relations, interpersonal and intergroup behavior, and psychopathology. Fulfills Cultures - World Perspectives. Offered fall and winter semesters. Prerequisite: PSY 101.
PSY	362	Environmental Psychology		1	Study of the relationships between the physical environment, natural and human-made, and the behavior of human beings. The course focuses on the perceptual, cognitive, and motivational aspects of the human-environmental interaction. Offered occasionally. 3 cr
SI	600	Cultures of Social Innovation		1	This foundational course introduces students to diverse interdisciplinary perspectives and models for social innovation. Students learn to identify and evaluate structural inequalities and power relationships across a variety of sectors (for-profit, nonprofit, and governmental). They will develop a vocabulary for engaging with diverse communities and explore models of community engagement. Offered fall and winter semesters. Prerequisite: Admission to PMA in social innovation. Credits 3
SI	620	Case Studies in Social Innovation		1	This course provides a macro- and micro-view of social innovation through case studies focused on change agents and strategies for innovation. Students will examine social innovation processes, movements, and complex adaptive systems of change across and between non-profit, for-profit, and governmental sectors including a variety of case studies. Offered winter semester. Prerequisite: SI 610. Credits 3
SI	630	Engaging Diversity in Social Innovation		1	Designed to reinforce students' abilities to identify and critically evaluate structural inequalities, implicit values, and power relations across for-profit, non-profit, and governmental sectors that shape the communities with which they engage. Includes discussion of theoretical frameworks for understanding equality/inequality as well as mechanisms for assessing inclusion and equity. Offered fall semester. Prerequisite: SI 600 or SI 610 or SI 620. Credits 3
SI	650	Place and Environmental Justice	1		This course explores the creation of sustainable human communities, through the critical frameworks of place and environmental justice. Grounded in careful exploration of lived experience and the development of interdisciplinary place-based frameworks, students will develop critical tools for and perspectives on integrated ecologies of social innovation. Offered winter semester. Prerequisite: SI 600 or SI 610 or SI 620. Credits: 3
SI	661	Social Innovation Internship		1	Full-time or part-time, on-the-job social innovation work performed at a sponsoring entity while under the supervision of an approved mentor in a non-profit, for-profit or governmental organization. Offered every semester. Prerequisites: Graduate standing, admission to PMASI program, and six credits completed in PMASI, or permission of the instructor. Credits 1-6

SI	690	Social Innovation Research Design		1	In this course students will work collaboratively with peers to develop and design a research project addressing a complex local/regional social problem. The project design will integrate social innovation research theory and practice, and iterative and adaptive project modeling. Students will share their project design in a culminating presentation. Offered winter semester. Prerequisites: SI 610 and SI 661 (SI 661 may be taken concurrently).Credits 3
SI	693	Master's Project in Social Innovation		1	Supervised preparation of final research project for the Professional Master of Arts in Social Innovation degree. Project research will be conducted under the supervision of faculty project supervisor. Offered every semester. Prerequisite: SI 690. Credits 1-3
SOC	205	Social Problems	1		Examines a range of social conditions, arrangements, and behaviors typically defined as problems in modern society. Applies sociological analysis to understand how problems arise from the organization of society, and the processes by which conditions become identified as social problems, and how ideology and power shape responses to social problems. Fulfills one of the Foundation - Social and Behavioral Sciences. Fulfills Cultures - U.S. Diversity. Offered every semester.
SOC	286	Sociology of Healthcare		1	An analysis of the social facets of health and disease, the social functions of health organizations, the relationship of health care delivery to other social systems, the social behavior of health care providers and consumers, and international patterns of health services. Race, class, and gender issues are examined. Offered fall and winter semesters. Credits: 3
SOC	306	The Sociology of Human Rights		1	This course uses a sociological framework to examine how human rights are socially determined, theorized, conceptualized, designed, interpreted, adjudicated, implemented, enforced, violated, and contested. It does so by looking at specific human rights regimes, categories, and violations in both national and global terms. Part of the Human Rights Issue. Offered alternating fall and winter semesters each year. Prerequisite: Junior standing. Credits: 3
SOC	313	Race and Ethnicity		1	Analysis of cultural, historical, and social construction of race and ethnicity in the U.S. and cross-culturally. Assesses theories of prejudice, discrimination, and racism. Grounds the examination of the interplay of group privilege and disadvantage within the context of contemporary issues related to race and ethnicity. Fulfills Cultures - U.S. Diversity. Part of the Human Rights Issue. Offered every semester. Prerequisite: Junior standing. Credits: 3
SOC	315	Social Class Inequality		1	Focus on the historical, socioeconomic, and political construction of class inequality in the United States from a critical perspective. Includes attention to cultural and global context. Offered fall and winter semesters. Prerequisite: Junior standing. Credits: 3
SOC	317	Sociology of Gender		1	Explores gender as a socially constructed system of stratification. Topics may include how ideas about gender shape childhood, families, education, work, violence, science, and social inequality. Examines how gender intersects with other socially constructed systems of stratification, including race, sexuality, class, age, and ability. Fulfills Cultures - U.S. Diversity. Part of the Identity Issue. Cross-listed with WGS 317. Offered fall semester. Prerequisite: Junior standing. Credits: 3

SOC	322	Sociology of Community		1	Examines sociology's community studies tradition and concerns with the modern fate of close-knit, cohesive communities. Readings focus on the field's intellectual origins, contrasts between small towns and cities, major theories, research methods, and contemporary communities. Fulfills Cultures - U.S. Diversity. Part of the Identity Issue. Offered winter semester. Prerequisites: SOC 101 and junior standing. Credits: 3
SOC	351	Urban Sociology	1		Explores urban theory (Chicago School, political economy, and cultural approaches); the evolution of cities; suburbanization, race relations, street life, sustainability (economic, social and environmental), redevelopment, urban politics, and international comparisons. Readings focus on theory, specific cities, and environmental concerns. Part of the Sustainability Issue. Offered fall semester. Prerequisites: SOC 201 and Junior standing. 3 cr
SOC	350	SWS Family & Gender Dev World		1	A comparative examination of the impact of development on families and gender roles in third world countries. Will include consideration of general issues (e.g., factors affecting family reproduction decisions, women in the formal and informal labor force, etc.) and in-depth study of gender and family in one or more countries. Cross-listed with WGS 350. Fulfills Cultures - World Perspectives. Fulfills one of the Issues/Themes requirements. Offered winter semester. Prerequisite: WRT 150 with a grade of C (not C-) or better. 3 cr
SOC	377	Globalization: Structures and Movements		1	Examines and critiques the historical origins, economic and technological foundations, institutional arrangements, ideological underpinnings, collective movements, and controversial outcomes of 'transnationalism' and 'globalization.' Sociological analysis emphasizes macrolevel institutions that shape globalization, social conflicts arising from its effects, and the consequences of global change on individuals, groups, and organizations. Offered winter semester. Prerequisite: SOC 201 or SOC 280 or SOC 205.
SOC	385	Social Class Inequality	1		Focus on the historical, socioeconomic, and political construction of class inequality in the United States from a critical perspective. Includes attention to cultural and global context. Fulfills one of the Issues/Themes requirements. Offered fall and winter semesters. Prerequisite: Junior standing. 3 cr
SW	150	Human Needs in Complex Societies		1	Common human needs are examined and a number of historical responses to these needs are placed in a societal context. Cultural forces which affect resource allocation patterns and service delivery systems are analyzed. Fulfills one of the Foundation - Social and Behavioral Sciences. Offered fall, winter, and spring/summer semesters. Note: SW 150 is a prerequisite for all social work courses. 3 cr
SW	340	Human Behavior and the Social Environment I		1	The course provides knowledge, values and skills employed in assessing groups, organizations, and communities. Emphasis is focused on the social systems perspective, social work values, and ethics and the issues related to the diversity of context. The course presents theories and knowledge necessary to practice in macro-settings (groups, organizations, communities and society). Offered fall semester. Corequisites: SW 317 and SW 319.

SW	341	Human Behavior and the Social Environment II		1	This course provides biological, psychological and social knowledge about human growth and development within life cycle stages. Emphasis is on the development of and individual within a family or small group as experienced within larger social systems. The assessment process within each developmental stage is related to the work of a generalist practitioner. Offered winter semester. Prerequisites: SW 340; Corequisites: SW 316, SW 318, and SW 348. 3 cr
SW	351	Cross Cultural Service Learning		1	The focus of this course is on the unique culture(s) within the United States and taught using a service-learning approach. Students explore the themes of social welfare development. Students explore the themes of social services, politics, policies and the history of the assigned culture. The course includes a two or three-week experiential learning component in a specific location in the United States. The advanced practice social worker will recognize the interconnectedness between social work, social justice, and civic/global responsibility. Offered spring/summer semester. Prerequisite: Accepted into the BSW program. 3 cr
SW	354	Social Work: International Service		1	The focus of this course is on international social work policy and practice. Students interact with various communities using a service-learning approach. The students explore the themes of social services, politics, policies and the history of the assigned culture. The course includes a two or three-week experiential learning component in an international location. The advanced practice social worker will recognize the interconnectedness between social work, social justice, and civic/global responsibility. Offered spring/summer semester. Prerequisite: Permission of instructor. 3 cr
SW	300	Pluralism in American Society	1		Pluralism in American society is explored through analysis of cross cultural practices and values, with an emphasis on the commonalties and differences for individuals, groups, organizations, and communities. The social welfare response in the context of US diversity will be a primary focus. Fulfills one of the Issues/Themes requirements. Offered fall and winter semesters. 3 cr
SW	630	Social Work: Global Service Learning		1	The focus of this course is on international social work policy and practice. Students interact with various communities using a service-learning approach. The students explore the themes of social services politics, policies and the history of the assigned culture. The course includes a two or three-week experiential learning component in an international location. The advanced practice social worker will recognize the interconnectedness between social work, social justice, and civic/global responsibility.
SW	631	Cross Cultural Service Learning		1	The focus of this course is on the unique culture(s) within the United States and taught using a service-learning approach. Students explore the themes of social welfare development. Students explore the themes of social services, politics, policies and the history of the assigned culture. The course includes a two or three-week experiential learning component in a specific location in the United States. The advanced practice social worker will recognize the interconnectedness between social work, social justice, and civic/global responsibility.
SW	676	Community and Social Planning		1	A review of professional practice in social planning and community organization. Exploration of a range of theories, concepts, and applications. Includes focus on power, influence, inter-organizational relationships and action strategies, development and use of structure and leadership.

US	480	Environemtnal Sustainability	1		Readings, lectures, and/or discussions in special topics not normally covered by other courses in the program. Credits: 1-9
WGS	493	Community Collaborative in South Africa		1	This course combines the practical field experience of working with a nongovernmental organization in South Africa with an analytical component focusing on gender, global feminist theory, nonprofit theory, and social entrepreneurship. Students will combine internship hours with training, contextual lectures, and reflection. Offered spring/summer semester. Prerequisites: Permission of the instructor and minimum GPA of 2.5. Corequisite: WGS 358. Credits: 3
Undergraduate classes that are sustainability focused: 70					
Undergraduate classes that include sustainability: 171					
Graduate classes that are sustainability focused 13					
Graduate Classes that include sustainability: 31					