

Subj	Crse	Title	Sustainabil y Course	Includes Sustainability	Catalog Description
AAA	341	Civil Conflicts in			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 1 selected case studies of African states. Fulfills one of the Issues/Themes requirements. Offered every year. Credits: 3
AAA	490	Practicum: Career- Study			Agency experience in the community relating practical training and independent study in a specialized area in African American studies. Maximum of six 1 credits. Nine hours of course preparation and permission of instructor and program coordinator. Offered fall and winter semesters. Credits: 1 to 6
AAA	333	Abroad- Issues in			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 1 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
AHS	495	Health			An overview of current issues impacting health care and health care delivery locally, nationally, and internationally. Students will be expected to synthesize 1 materials learned in the health professions major core classes and cognates and to write and present professionally styled presentations.
ANT	204	Introductio n to Cultural			Introduces the discipline of anthropology by examining the diversity of human cultures that have been described by anthropologists over the last 100 years. 1
ANT	215	Origins of Civilization			The principles of anthropology are explained with examples drawn from non-Western culture. Comparisons are drawn with our own. Fulfills one of the 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
ANT	308	Field Experience			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 1 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 Environmen			Compares different adaptive strategies of cultures from around the world and seeks understanding of ethical and social values different groups have related 1 to the environment. Attention is focused on how humans relied on cultural mechanisms in the past to adapt and change their physical and natural
ANT	345	Perspective s on			The anthropology of globalization examines the emergence of "globalized local cultures." Students employ the ethnographic approach to understand 1 globalization as the intensification of interconnectedness, in which anthropologists learn that fundamental problems of deep and universal concern to humans
ANT	495	SWS Practicing			Provides students with a broad and comprehensive perspective on the fundamental assumptions and issues in anthropology. Emphasis on the application of 1 anthropological knowledge to solve social problems. Given the diverse dimensions of current trends in anthropology, students will work to establish their
BIO	104	Biology for the 21st			Introductory course for nonscience majors designed to provide a biological literacy for making informed personal, social, and environmental decisions. Topics 1 include cell biology, genetics and biotechnology, form and function of the human body, evolution and ecology. Does not count toward a biology major or
BIO	105	Environmen tal Science	1		Study of natural ecosystems, their interrelationships, and human impacts and evolution of humans and environmental determinants of their cultures. Land 1 use, resource and energy utilization, population trends and causative factors, air and water pollution, and economic factors influencing decision-making are
BIO	107	Great Lakes and Other			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 1 toward a biology major or minor. Designated lecture and laboratory sections are tailored for prospective elementary teachers. Fulfills Foundation - Life
BIO	215	General Ecology			Population, communities, and ecosystems, including primary productivity and energy flow, materials cycling, succession, population dynamics, and systems 1 modeling. (3-0-3) Offered fall and summer semesters. Prerequisites: BIO 120 and 12 college credits; (BIO 121 recommended). 4 cr.
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	319	Global Agricultural	1		Study of the biological and environmental principles at the foundation of agricultural sustainability; how various traditional and modern agricultural practices 1 follow those principles and how social, cultural, and economic factors ultimately control agricultural practices. Cohesiveness with other courses in this theme
BIO	328	Biomedical Ethics			Examination of ethical dilemmas encountered in medicine and biomedical research, with an emphasis on obligations of health care workers to their patients. 1
BIO	338	SWS Environmen	1		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 1 Examines philosophical underpinnings of environmental ethics. Explores approaches for understanding sustainability issues, solving ongoing environmental
BIO	362	Environmen Fisheries			Examines philosophical underpinnings of environmental ethics. Explores approaches for understanding sustainability issues, solving ongoing environmental 1 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
BIO	402	Biology Aquatic Insects			Study of the anatomy, morphology, and classification of fishes and their biology, ecology, and evolution. Emphasis on species native to the Great Lakes region. 1 (3-0-3) Offered fall semester. Prerequisite: BIO 121; BIO 120 is recommended. 4 cr.
BIO	407	Society and Wildlife	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 1 stream function and bio-assessment will be emphasized. Students will gain expertise in the scientific collection, curation and identification of aquatic insects.
BIO	408	Manageme Internationa	1		Biological topics related to biodiversity, sustainability, alternative energy, environmental policy and economics, land use, climate change, historical influences, 1 and cultural/societal attitudes conducted within an international context. The society-based experience is combined with readings, lectures, papers, and
BIO	417	Wildlife Manageme Internationa l Field			An examination of techniques used in the management, research, and conservation of wildlife species. Introduces the fundamental concepts of wildlife 1 management, including wildlife habitat requirements, evaluation of habitat suitability, interpretation of data analysis techniques, and applied techniques of
					One to three week trips to international locations to study the fauna, flora, ecology of representative ecosystems, climate, geology, paleobiology, 1 environmental problems, and/or human impacts upon the above. The field-based experience is combined with readings, lectures, papers, and discussions. A

BIO	418	Regional Field		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 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	440	Limnology		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
BIO	450	Stream Ecology		Investigation of the structure and function of terrestrial ecosystems using a systems approach. Biotic and abiotic processes controlling interactions among
BIO	460	Terrestrial Ecosystem Conservation		biogeochemical cycles in ecosystems will be discussed and examined. Topics will include controls on primary production, evapotranspiration, decomposition, Theoretical concepts and research applications in the multidisciplinary and applied science of maintaining the planet's biodiversity at the genetic, species, and
BIO	470	n Biology	1	ecosystem levels. Topics include distribution, functions, and value of biodiversity; causes and consequences of biodiversity loss; conservation solutions; and
BIO	651	Emerging Issues in Human Health and Basic Nutrition	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 Basic Nutrition		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
BMS	105	Nutrition		n 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	222	Introduction to Public Health		Introduction to the history, philosophy, current concepts, practice, and administration of public health in the United States. Offered fall semester. Three credits.
BMS	223	Public Health		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 Concepts in Wellness		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
BMS	495	Legal Environment of Business		his 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
BUS	201	International Business		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
BUS	301	Business Ethics		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
BUS	677	Sustainability Principles		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	Sustainable Micro, Introduction to Green Chemistry and Society	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
BUS	635	Green Chemistry	1	Fundamental theories, concepts, principles, and best practices of sustainability in the context of small enterprises. The course will examine local enterprises, clean technology start-ups, and the development of small enterprises in the developing world.
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
CHM	102	Green Chemistry		A survey of some of the many ways in which chemistry is involved with people's day-to-day existence.
CHM	311	Biotechnology	1	Green Chemistry is the design of chemicals and processes while eliminating the use and generation of hazardous substances. Focuses on green chemistry principles and their industrial applications: global perspectives on green chemistry performed in industrial settings with no negative environmental
CMB	150	Biotechnology and Debate		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-
COM	303	Global Communication		Instruction in techniques of argumentation and debate. Research methodology, logical analysis and argumentation, rhetorical strategies, technique of public presentation.
COM	372	Senior Seminar in		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.
COM	410	Senior Seminar in		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		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
COM	490	Internship		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		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 Criminal		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	Justice and Mod		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	Slavery: Current		1 New course - description not available
ECO	100	Economic Introductory		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
ECO	210	Environment and Emerging Markets	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. 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
ECO	345	Emerging Markets	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 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-
ECO	350	Gender and Economics	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 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 Topics include the urbanization process, the city as an economic system, location analysis, poverty, housing, pollution, transportation, and public
ECO	369	International Economic Health	1	finance. Fulfills one of the Issues/Themes requirements. Offered fall semester. Prerequisites: ECO 211 or ECO 200. 3 cr
ECO	380	Urban Economics		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
ECO	435	Health Economics		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
ECO	643	Diverse Urban	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
EDF	315	Perspective Urban		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
EGR	306	Sustainability Alternative	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
EGR	463	Energy Renewable	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	406	Energy Materials	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	413	Materials for Energy		
EGR	513	Materials for Energy		
EGR	580	Alternative Energy		A study of special topics not regularly covered in the curriculum; this course covers alternative energy systems.
ENG	382	SWS Nature Writing		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
ENS	201	Introduction to	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

ENS	401	Environmental Problem	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
ENS	480	Sustainable Agriculture	1	Temporary course - description not available.
ENS	490	Internship	1	Supervised work experience in an area related to environmental studies.
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 Scientific investigation of the oceans and interactions among ocean, atmosphere, and lithosphere. Introduction to the chemistry of seawater, physics of water
GEO	103	Oceans	1	movement, coastal processes, geological oceanography, changes in the oceanic system through geologic time, and the role of oceans in Earth's geologic
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.
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	202	Hydrosphere for	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	Water 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 Geomorphology	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.
GEO	320	Geology	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	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 Earth Resources	1	Topics include crystal chemistry (nuclear/solid-state chemistry), water geochemistry (kinetics) and mineral stability (thermodynamics). 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, and exploitation.
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	309	Introduction to City Land-use Planning	1	An introductory course for people interested in careers in planning and public administration. The course explores the relationship between the goals of a community and the techniques needed to implement long-term and sustainable strategies. Fulfills one of the Issues/Themes requirements. Offered fall
GPY	310	Land-use Planning	1	This course deals with the fundamental concepts, principles, strategies, and tools of city and regional land use planning. The focus is on the real-world and sustainable land use planning process and implementation.
GPY	314	Land-Use Planning	1	This course surveys federal and Michigan statutes relevant to planning. It provides a background of federal and Michigan statutory land use controls. Awareness and understanding of these statutes is essential when executing existing land use and planning policies or when altering or proposing new land use
GPY	316	Introduction to Urbanization	1	This course is an introduction to transportation planning. It explores the planning, land use and policy implications of city and regional transportation as it relates to urbanism, energy use, public health and safety, sustainability and economic development. Offered winter semester of odd-numbered years. 3 cr
GPY	324	Urbanization	1	Examines the process of urbanization and its impact on various cultures and its long-term comprehensive sustainability. Considers the dynamic growth of urbanization in third world countries and the significant increase in global urbanization, emphasizing the evolution of cities over time, space, and vastly
GPY	361	People, Environment	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
GPY	362	A Geography of the World	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
GPY	363	World Forests and	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

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
GPY	412	Global Environmen	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
HNR	235	SWS Democracy	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
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-
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 -
HNR	280	Food For Thought	1	Temporary course - description not available.
HNR	280	Theory & Practice of Social	1	Temporary course - description not available.
HNR	280	Product Ghanaian	1	Temporary course - description not available.
HNR	281	Life and SWS Prob	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	Solving- Internationa	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
HTM	202	l Tourism	1	Introduction to international tourism focusing on the socio-economic effects of international tourism along with the inherent public-private interaction.
HTM	368	Geotourism	1	International tourism is more than a set of industries, but rather an activity that encompasses human behavior, uses of resources (public and private), and 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
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.
ITC	100	Introductio n to	1	The roles of stakeholders are evaluated and there is a focus throughout on the applied theoretical discussions regarding development and sustainable This course introduces students to the concept of cultural competence, and provides them with the knowledge and application of skills necessary to succeed
ITC	490	Practicum: Intercultural	1	in diverse settings. This course examines theories of intercultural engagement and then requires students to consider how they might apply knowledge in 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
ITC	495	Culminating Seminar in	1	individual experiential placements. Students on qualifying semester study abroad programs can complete the practicum concurrently with participation in the This is the culminating course required for completion of the Intercultural Competence Certificate. Students identify issues of cultural conflict in their
LIB	201	Diversity in the United	1	communities or academic disciplines, and develop plans for how these issues might be addressed through cultural understanding or training. Offered winter Explores how the intersections of race, ethnicity, gender, sexual orientation, class, religion and physical abilities affect the material lives and media
LIB	322	Wicked Problems of	1	representations of various cultural groups in the United States. Engages historical and current debates regarding issues of immigration, meritocracy, Sustainability, as a wicked problem, is an intractable, on-going and high-stakes issue. This course engages students in participatory research on the
LIB	330	The Idea of Nature	1	inextricably linked dimensions of sustainability, such as economics, environment and social equity. Students will work with community partners to address n historical and cross-cultural examination of how nature has been interpreted by science, philosophy, religion, literature, and art. Fulfills one of the
LIB	341	Leadership for Social	1	Issues/Themes requirements. Offered winter semester. 3 cr An examination of the theory and practice of leadership in social change movements, focused on developing personal and organizational capacities for
LIB	342	Food Matters	1	leadership in a liberal education context. Students identify a contemporary social issue and create an action plan for resolution, addressing that issue with at This course offers an interdisciplinary exploration of the relationship between food systems and food we consume every day. Analysis of competing
MGT	340	Business, Social	1	information and integration of evolutionary, historical, socio-political, cultural and environmental factors shaping our current food systems lead back to the Examines the process of business development and the ethical questions that process raises. Particular attention is paid to the questions raised by market
MGT	438	Business Ethics	1	pressures, bureaucratic organization and income stratification. Fulfills one of the Issues/Themes requirements. Offered every semester. 3 cr An inquiry into the relevance of the classical ethical literature to the resolution of everyday business problems. Particular emphasis will be placed on the
MGT	355	The Diversified	1	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 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.

MGT	466	International		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.
MGT	672	Creativity and Social Marketing Management		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		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		Detailed examination of business research procedures and applications. Problem definition, research design, data collection, sampling techniques, costs, etc.
MKT	354	Distribution		1 Case problems and projects.
MKT	370	New Product Marketing		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
MKT	375	Ethics		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
MKT	451	Marketing Strategy		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
MKT	651	Marketing Management		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	680	Social Media		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
NRM	140	The Climatic Factor		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	150	Introduction to Natural Resources	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	240	Principles of Climatology	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
NRM	281	Principles of Soil Science		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	300	Ethical Recreation: Wildlife	1	1 Aspects of the physical, chemical, and biological properties of soils. (3-0-3) Offered fall semester. 4 cr
NRM	308	Ecology		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
NRM	320	Introduction to Environmental Pollution		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	330	Ecological Restoration	1	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	386	GIS Applications		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
NRM	395	Natural Resources	1	This course will introduce students to ecological restoration and examines the practical methods and techniques used in ecosystem restoration and management.
NRM	407	International Field	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
NRM	417	Wildland Recreation	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, 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	Applied Spatial	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
NRM	450			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,

NRM	451	Natural Resource	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
NRM	452	Watershed and	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	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.
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	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
NRM	552	Fisheries Manageme	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.
OSH	300	Introductio n to	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	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	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	1	A study of industrial hygiene methods, measurement, and equipment.
OSH	350	Behavioral Aspects of	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	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	Environmen tal Safety	1	A study of laws addressing environmental pollution and hazardous waste management. (3-0-0) 3 cr
OSH	416	Advanced Industrial	1	A study of laws addressing environmental pollution and hazardous waste management.
OSH	440	Safety and Health	1	An examination of the concepts and tools used in safety program development and implementation for a variety of work settings
OSH	495	Safety and Health	1	An integrative exploration of the administrative function of a comprehensive safety program with emphasis on operations analysis, design, implementation, and evaluation.
PA	380	Disaster Relief/Emer	1	Disaster relief and emergency preparedness.
PA	552	Law & Ethics in	1	Advanced-level workshop directed toward public sector professionals focusing on specific public sector problems and policies.
PA	641	Economic and	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
PA	670	International NGO	1	Theory and cases in international nongovernmental organizations (INGO) management. Analysis of various types and various roles played by INGOs.
PA	550	Applications of	1	Relationship between INGOs and other actors in international development such as multilateral and bilateral donors, host governments, local NGOs and local
PA	671	Building Sustainable	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	672	Building Sustainable	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. Students examine how local governments and nonprofit organizations
PA	672	Building Sustainable	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 impact. They are also introduced to change management techniques

PAS	554	Community Service		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
PAS	620	Community Service		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,
PED	380	Facility and Event		1 Study of special problems in physical education upon consultation with advisor and approval of department chair.
PH	500	Introduction to Public		1 Introduction to the history, philosophy, current concepts, practice, and administration of public health in the United States.
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	352	Ethics in Professional		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
PLS	103	Issues in World		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
PLS	105	Introduction to Human		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,
PLS	302	Women, Politics, and		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
PLS	303	Introduction to US	1	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		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
PLS	311	International Conflict		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		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,
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 -
PSY	362	Environmental		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
SOC	205	Social Problems	1	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
SOC	351	Urban Sociology	1	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,
SOC	350	SWS Family & Gender		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
SOC	385	Social Class Inequality	1	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		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
SW	340	Human Behavior		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
SW	341	Human Behavior		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
SW	351	Cross Cultural		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
SW	354	Social Work:		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

SW	300	Pluralism in American	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
SW	630	Social Work:	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
SW	631	Cross Cultural	1	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
SW	676	Community and Social	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
WGS	335	Women, Health &	1	social welfare development. Students explore the themes of social services, politics, policies and the history of the assigned culture. The course includes a two
				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.
				This course is an overview of contemporary women's health issues focusing on the interconnectedness between health and the environment. Topics include
				reproductive issues, pesticides, sustainable development, occupational hazards, health insurance, and breast cancer. Discussions and readings will focus on