Sustainability Course Inventory	Updated	7/16/2024		
- All BSE Teaching Licensure Requirements include either				
COLLEGE OF ARTS AND COMMUNICATION	**Department**	**Level**	**Description**	
COMM 464 HEALTH MESSAGE ADVOCACY AND ANALYSIS	Communication	Undergrad	This course embraces a social justice perspective toward public health, and emphasizes the analytical, cross-cultural, health literacy and interpersonal skills students develop through the Corporate and Health Communication curriculum. Special attention is given to research-based tools students can use to assess and depict health-related risks in their communities.	Sustainability-inclusive
COLLEGE OF BUSINESS AND ECONOMICS	**Department**	**Level**	**Description**	
ACCOUNT 787 SUSTAINABILITY AND ENVIRONMENTAL REPORTING	Accounting	Graduate	This course provides a comprehensive exploraton of (a) environmental issues at multiple levels and (b) the effects of these issues on business, communities, and consumers. In addition, this course will provide student with an (c) introduction and practical understanding of the broad paradigm of sustainability and provide an (d) in-depth analysis of accounting for the natural environment.	Sustainability-focused
ECON 471 ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS	Economics	Undergrad	This course analyzes environmental problems and their causes in the context of a market economy. Students evaluate how markets may fail to correctly allocate environmental and natural resource amenities and the policy alternatives available to correct these market failures. Students apply cost-benefit analysis and non-market valuation methods to environmental and natural resource issues involving water, energy, minerals, pollution, climate disruption and sustainability.	Sustainability-focused
ECON 360 GROWTH AND DEVELOPMENT IN THE WORLD ECONOMY	Economics	Undergrad	This course analyzes the role of geographical endowments, culture, institutions and history on economic growth and contemporary economic performance. Students explore questions such as why some countries are rich while others are poor, why some societies developed more quickly than others and why Europe conquered the Americas instead of the other way around. Students also investigate the lives of the world¿s poor, the constraints they face and the choices they make by examining issues in developing countries such as foreign aid, food access and hunger, health, education, fertility decisions, credit and insurance.	Sustainability-inclusive
FNBSLW 440 WATER LAW	Finance and Business Law	Undergrad	Legal and policy issues related to the allocation and protection of freshwater. The right to surface and ground waters in eastern riparian and western prior appropriation systems, public rights in water, federal and Indian water rights, resolving transboundary water conflicts, and environmental law impacts on water rights. Particular attention is paid to Wisconsin and Great Lakes.	Sustainability-focused
FNBSLW 455 CORPORATE GOVERNANCE AND ADMINISTRATIVE LAW	Finance and Business Law	Undergrad	Every business activity is affected by the issues of corporate governance and administrative law. This course will examine how modern corporations are governed and to whom they are responsible. The course explores business, financial, political, ethical, and legal issues affecting systems by which corporations are directed and controlled.Students will examine the nature of the corporation, the basic theory of the firm, the internal and external architecture of corporate governance, the role of regulatory authorities, models of corporate governance, principal-agent theory within the corporate context, as well as corporate culture, corruption, management and board compensation, sustainability, and conceptions of social responsibility.The course will focus on both the theoretical and policy implications of corporate governance, including legislation implemented to effect reforms and set new standards in the wake of corporate scandals. Although the central focus of the course is U.S. corporate governance, systems used in other countries and the trend toward international convergence in corporate governance is also examined.	Sustainability-inclusive
ITSCM 466 SERVICE AND SUSTAINABLE OPERATIONS	Information Technology & Supply Chain Management	Undergrad	Students learn about the problems of producing services, which are compared and contrasted with manufacturing. Students also become familiar with the numerous tools for increasing environmental, financial, and social sustainability throughout supply chains, including suppliers, internal operations, transportation, facilities, customer use, and disposal. These tools include life cycle analysis, project management, design for the environment, and industrial ecology.	Sustainability-focused
MANGEMNT 364 SUSTAINABILITY MANAGEMENT	Management	Undergrad	This course provides concepts and methodologies to help businesses manage their operations so that results are sustainable, economically, for people and for the environment. Topics include sustainability goals and controversies inherent to sustainability efforts, organizational and institutional responses, stakeholder analysis, realigning supply chains, and measuring sustainability.	Sustainability-focused
MANGEMNT 366 BUSINESS ETHICS & SOCIAL RESPONSIBILITY	Management	Undergrad	This course will provide students with an understanding of the relationship of organizations with their stakeholders (e.g., customers, employees, society, etc.) and provide both an exposure to and an understanding of both ethical and unethical behavior. By investigating organizations and their linkages with various environmental entities, students will have a better appreciation of what produces socially responsible behavior.	Sustainability-focused
MANGEMNT 764 SUSTAINABLE MANAGEMENT	Management	Graduate	This course focuses on proving concept and methologies relevant to ensuring businesses can sustainably manage their operations. Topics include an introduction to sustainable management, organizational response, redefining business models, product design, realigning supply chains, social sustainability, and the role of Non Governmental Organizations (NGOs). Specifically, the course will examine issue related to managing and implementing green and developmental projects.	Sustainability-focused
MANGEMNT 759 SOCIAL RESPONSIBILITY OF BUSINESS	Management	Graduate	The course analyzes (1) a broad spectrum of social, political, ethical, and legal frameworks within which organizations must function, and (2) social trends and their underlying causes as they can affect businesses.	Sustainability-inclusive
MARKETNG 400 INNOVATION AND TECHNOLOGY MARKETING	Marketing	Undergrad	Analysis of marketing problems encountered in developing and introducing new products, managing existing products, and phasing out obsolete products. Emphasis is placed on the coordination of activities that lead to successful market management of products. Various marketing concepts and problems related to product development and introduction are surveyed and analyzed.	Sustainability-inclusive
SAFETY 220 PRINCIPLES OF ENVIRONMENTAL MANAGEMENT	Occupational and Environmental Safety & Health	Undergrad	This course addresses the U.S. Environmental Protection Agency (and Wisconsin Department of Natural Resources) regulations and the related management responsibilities of safety, environmental and/or business professionals to ensure compliance with environmental requirements. Areas to be covered: compliance, management systems, managing emissions, waste, discharges, spills & remediation, environmental audits & site assessments, sustainability, ethics, etc.	Sustainability-focused
SAFETY 353 FUNDAMENTALS OF ENVIRONMENTAL LAW	Occupational and Environmental Safety & Health	Undergrad	An examination of federal and state laws with judicial and regulatory interpretations having application to the management of the occupational and environmental safety & health responsibilities of private sector firms in the United States.	Sustainability-focused
SAFETY 393 AIR POLLUTION EVALUATION AND CONTROL	Occupational and Environmental Safety & Health	Undergrad	This entry-level course presents a broad overview of the major aspects of air pollution evaluation and control. The course includes information about pollutants, pollutant sources, and effects of pollution on human health and the environment, dispersion of pollutants, measurement and control of emissions, and laws and regulations pertaining to air pollution control.	Sustainability-focused
SAFETY 474 FACILITY WATER MANAGEMENT	Occupational and Environmental Safety & Health	Undergrad	This course will cover water related topics from a facility point of view. Topics to be covered are basic water ecology, drinking water sources, water quality monitoring, facility level water management, facility and municipal level wastewater treatment, basic water related public health issues, stormwater management, and water related regulatory compliance.	Sustainability-inclusive
SAFETY 489 HAZARDOUS MATERIALS MANAGEMENT	Occupational and Environmental Safety & Health	Undergrad	This course provides a framework for understanding the nature of hazardous materials and how the risks from such materials may be reduced. The focus is on the properties and characteristics of hazardous materials and the life cycle of hazardous materials (manufacturing/importing, use, storage, transportation, disposal and remediation); emphasizing hazardous material minimization and the best practices of using and handling hazardous materials based on their properties and characteristics.	Sustainability-inclusive
COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES	**Department**	**Level**	**Description**	

CIGENRL 212 NATURE AND CONSERVATION EDUCATION	Curriculum and Instruction	Undergrad	This course is designed to help students develop the content knowledge, theory and strategies teachers need to incorporate nature pedagogy into their teaching practices so that children will grow up understanding the human impact on the environment and how to be helpful stewards of it. This course fulfills the conservation requirement for teacher licensure in Wisconsin.	Sustainability-focused
CIGENRL 342 IDENTITY, CULTURE AND SOCIAL JUSTICE IN GLOBAL EDUCATION	Curriculum and Instruction	Undergrad	This course provides students with the opportunity to reflect upon aspects of identity as these interact with nested layers of context. These concepts are inherently connected to global education as ideas of social justice and power come into play. Students move beyond a deeper understanding of self and consider context, access to education and power in creating equitable learning opportunities.	Sustainability-inclusive
CIGENRL 343 MIGRATION, PEACE, AND CONFLICT IN EDUCATION	Curriculum and Instruction	Undergrad	The course explores bordering and migration as national issues with regard to educational access and community development. Economic and political upheaval, war, and natural disasters will be examined as factors contributing to global migration. Contributions of migrants, education and other initiatives that contribute to and lessen the need for migration, and the vulnerability of migrants will be addressed.	Sustainability-inclusive
EARLYCHD 341 INTRODUCTION TO NATURE-BASED EARLY CHILDHOOD EDUCATION (NBECE)	Curriculum and Instruction	Undergrad	This is course one out of four in a series which must be taken in sequence to earn a certificate or credential, or can be taken individually. Nature-based early childhood education has its roots in early childhood education and environmental education. Understanding the foundation and history of both will help support this new profession that integrates these two varied disciplines. This course will introduce students to the field of nature-based early childhood education including its history, theories, benefits for children, the variety of programs possible, the teacher¿s role, high quality practices, and resources available.	Sustainability-inclusive
EARLYCHD 342 EXPLORATION OF NATURE-BASED EARLY CHILDHOOD CURRICULUM AND ASSESS	Curriculum and Instruction	Undergrad	This is course two out of four in a series which must be taken in sequence to earn a certificate or credential, or can be taken indivdually. This course is designed to help students develop a deeper understanding of what a Nature-Based Early Childhood (NBEC) curriculum entails as well as how to unite early childhood learning standards with age-appropriate nature content. Students will explore how a Nature-based curriculum supports the developmental domains of early childhood. They will also evaluate different approaches to assessment in a NBEC classroom while examining the relationship between assessment and curriculum.	Sustainability-inclusive
EARLYCHD 343 NAVIGATING THE BENEFITS, RISKS, AND CHALLENGES IN NATURE-BASED EC	Curriculum and Instruction	Undergrad	This is course three out of four in a series which must be taken in sequence to earn a certificate or credential, or can be taken individually. There are enormous benefits to nature-based play and learning ¿ for children, teachers, administrators and families. With these benefits, as with all things, come risks and challenges. As the adults in children¿s lives, it is up to us to seek and understand the benefits and to mitigate and manage the risks and challenges. This course looks at the benefits of nature-based early childhood programming and how nature-based environments support children¿s learning and development.	Sustainability-inclusive
EARLYCHD 344 DESIGNING FOR & IMPLEMENTING NATURE-BASED EC LEARNING	Curriculum and Instruction	Undergrad	This is the fourth course in the four-course series; it must be taken last and cannot be taken individually. This course will be implementation focused, providing students the opportunity to integrate what they have learned in the previous 3 courses through planned projects implementing the provision of nature-based early childhood education. Students will explore aspects of nature-based early learning to determine the character and scope of action project they will undertake. They will learn about proposal writing and project management, creativity and problem solving, and various other things, depending on the scope and character of their action project.	Sustainability-inclusive
PEGNRL 201 OUTDOOR RECREATION AND HEALTH	Kinesiology	Undergrad	Outdoor adventure and time in nature provide important wellness benefits that can be integrated into the college experience and that can lead to healthy life-long behaviors. This hybrid course explores local outdoor adventure opportunities, health benefits of visiting protected areas, and strategies for reducing recreation impact on the environment. This course involves weekly outdoor experiences in order to help students learn basic outdoor adventure skills that prepare them to find and carry out their own outdoor adventures in the future.	Sustainability-inclusive
PEGNRL 201 OUTDOOR RECREATION AND HEALTH	Kinesiology	Undergrad	Outdoor adventure and time in nature provide important wellness benefits that can be integrated into the college experience and that can lead to healthy life-long behaviors. This hybrid course explores local outdoor adventure opportunities, health benefits of visiting protected areas, and strategies for reducing recreation impact on the environment. This course involves weekly outdoor experiences in order to help students learn basic outdoor adventure skills that prepare them to find and carry out their own outdoor adventures in the future.	Sustainability-inclusive
COLLEGE OF INTEGRATED STUDIES	**Department**	**Level**	**Description**	
ANT 220 FOOD AND NUTRITION IN A GLOBAL SOCIETY	Integrated Studies	Undergrad	This course will study the relationships between agricultural practices, food distribution & consumption, Nut., & socio-cultural dietary practices within a global perspective. Emphasis is on the complex issues related to the changing diet & health of populations within an era of globalization & international food markets. Utilizing case studies special attention will be given to how societies are redefining their foodscapes & identifying strategies for addressing issues of food sustainability.	Sustainability-inclusive
BIO 191 ENVIRONMENTAL SCIENCE	Integrated Studies	Undergrad	Contemporary study of natural world through human perspective. Emphasis on humans as modifying force in the biophysical environment, including selected topics in ecological principles, pollution, population biology, environmental management. Course meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture, lab. May include demonstrations, discussions, and field trips.	Sustainability-focused
BIO 291 INTRODUCTION TO FISH, FORESTS, AND WILDLIFE RESOURCES	Integrated Studies	Undergrad	(Previously NAT 250) An integration Intro to the theoretical & applied aspects of the Mgmt. of our biotic resources. This course will stress sustainable Mgmt. & ecosystem integrity using contemporary conservation issues & local examples.	Sustainability-focused
BIO 398 SPECIAL TOPICS: THE ECOLOGY OF FOOD PRODUCTION	Integrated Studies	Undergrad	This course will comprise a focused exploration of the environmental impact of industrialized agricultural systems. In addition to examining the history and practice of food production and global distribution, we will explore the impacts of current industrialized agricultural practices on the environment. This course will also explore food systems, food security, sustainable agricultural practices and alternative food sources. Because the study of environmental impact is both global and interdisciplinary, this course will introduce the social, political, ethical, and economic forces that relate to farming practices, global food distribution, and consumption.	Sustainability-focused
BIO 164 PLANTS AND CIVILIZATION	Integrated Studies	Undergrad	(Previously BOT 240) The study of plants from an historical & geographical perspective, & how plants are used in the modern world as a source of food, drugs, & other materials. Lecture & may also include demonstrations, discussion & field trips.	Sustainability-inclusive
BIO 196 INTRODUCTION TO WILDLIFE RESOURCES	Integrated Studies	Undergrad	Previously ZOO 140) Wildlife resources of the U.S.; the importance of wildlife to our past & present economic & cultural life & selected problems in wildlife conservation. Lecture, lab, & may also include demonstrations, discussion & field trips.	Sustainability-inclusive
BIO 190 INTRODUCTION TO ENVIRONMENTAL SCIENCE	Integrated Studies	Undergrad	Principles underlying the proper management of our resources: water, soils, minerals, forests, wildlife, human. Current and past attitudes relating to the resources with the interaction and complexities of humans' interests. This meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of Science, Social Sciences. Lecture and may include demonstrations, discussions, and field trips.	Sustainability-inclusive
BIO 193 NATURAL HISTORY OF WISCONSIN	Integrated Studies	Undergrad	Natural History of Wisconsin is an introductory course intended for those wanting to learn more about Wisconsin's diverse plant and animal life. The main focus of this course is Wisconsin's diversity of plants and animals and the ecosystems in which they live. In addition, it may cover basic concepts of field ecology, behavior, conservation, identification of select organisms, and a review of the historical contributions to Wisconsin natural history. This course is designed to increase the awareness and appreciation of Wisconsin's biological diversity at a time when the general public is increasingly disconnected from natural environments. May include field trips.	Sustainability-inclusive
BIO 201 PRINCIPLES OF ECOLOGY	Integrated Studies	Undergrad	The interrelationships between living organisms & their Env., ecosystems concepts, population dynamics, community organization & distribution, & application of ecological principles to humans & their Env.. Lecture, lab, & may also include demonstrations, discussion & field trips.	Sustainability-inclusive
BIO 305 ENVIRONMENTAL MICROBIOLOGY	Integrated Studies	Undergrad	This is a course that examines the roles of bacteria and other microorganisms in the environment. Topics will include an introduction to the main groups of microorganisms and their physiology, soil microbiology, cycles of elements, aquatic microbiology, sewage treatment, bioremediation, and biotechnology.	Sustainability-inclusive
CHE 390 RESOURCES AND SUSTAINABILITY	Integrated Studies	Undergrad	This course will investigate the many roles that natural resources play in society. We will examine the practical issues of how they are found, used, and disposed, as well as the broader concerns about how resources influence the modern world. We will take a global approach to critically analyze the scientific, economic, ecological, political and social implications of resource usage. By the end of the semester, you are expected to be able to integrate your and others thoughts on how society is impacted by its use of resources.	Sustainability-focused

ECO 342 ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS	Integrated Studies	Undergrad	This is a Surv. course focusing on reasons for pollution & natural resource misallocation, including property rights, externalities, & public good problems. Microeconomic analysis is applied to Env.al protection & natural resource Mgmt. with consideration of the equity & efficiency implications of public policy. Emphasis is placed on the valuation of Env.al benefits & costs, Eco. of renewable & nonrenewable natural resources as well as analysis of global Env.al issues such as population, climate change, deforestation, the oceans, & the atmosphere.	Sustainability-focused
ENG 285 LITERATURE OF NATURE	Integrated Studies	Undergrad	A study of texts characterizing the natural world as experienced primarily by American writers of the 19th & 20th centuries.	Sustainability-inclusive
GEO 123 PHYSICAL GEOGRAPHY: WEATHER AND CLIMATE	Integrated Studies	Undergrad	Study of earth's atmospheric elements in both the short term (weather events) & long term (climate & climate change). Subjects include temperature, the seasons, pressure, wind & wind systems, humidity, cloud cover, stability & precipitation, jetstreams, cyclones & fronts, tornadoes & hurricanes. Study of the world's different climate regions, soils & vegetation; climate change (Greenhouse Effect, Ice Ages); & human interaction with weather & climate. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by students who have had GEO 120 or GEO 125	Sustainability-focused
GEO 130 ENVIRONMENTAL SUSTAINABILITY	Integrated Studies	Undergrad	An overview of how humans are part of nature, and how we interact with earth¿s water, land, air, and life. Exploration of serious environmental impairment is balanced with positive cases of human efforts to sustain a decent quality of life for all within nature. Field trips may be required. GEO 130 meets DPI requirements for environmental education at some UW baccalaureate institutions.	Sustainability-focused
GEO 170 DISASTERS-LIVING ON THE EDGE	Integrated Studies	Undergrad	Study of various environmental hazards, their causes, impacts on humans, and mitigations. Core topics are natural hazards (earthquakes, volcanoes, flooding, landslides, tornadoes, hurricanes), and anthropogenic hazards (climate change/global warming, nuclear hazards, and overpopulation). Additional topics may be covered: coastal hazards, pollution of groundwater, air, soil, and water, other atmospheric hazards (extreme weather, droughts), impacts from space, extinctions, biohazards, chemical hazards, and terrorism.	Sustainability-focused
GEO 270 GLOBAL CLIMATE CHANGE: PAST, PRESENT, AND FUTURE	Integrated Studies	Undergrad	This course will examine contemporary scientific thought on the cycles of climate change, underst&ing of past climate conditions, the current state of the atmosphere, & predictions for future change & adaptation strategies. Close emphasis will be placed on evidence for climate change through cultural evidence for change (journals, historical documents) as well as physical evidence & proxies (tree rings, fossils, ice cores, sediments). Past periods of climate change will be analyzed in order to underst& how life was affected during those events as well as to set the context to better underst& scientific though on current & future climate trends	Sustainability-focused
GEO 277 ENERGY RESOURCES AND PEOPLE	Integrated Studies	Undergrad	A global overview of non-renewable and renewable energy. Creative human innovations that may provide a more sustainable energy future are emphasized. Socioeconomic and environmental aspects of energy resource recovery, distribution, and use are explored along with history of use, and prospects for the future.	Sustainability-focused
GEO 350 ENVIORNMENTAL CONSERVATION	Integrated Studies	Undergrad	Study of the human use, conservation, & Mgmt. of the Earth's resources; ecosystems; human interactions with the Env.; human population growth; impact of technology on the Env.; & practical solutions to Env.al problems. Field trip(s) may be required. GEO 350 meets DPI requirements for Env.al education at some UW baccalaureate institutions.	Sustainability-focused
GEO 450 ENVIRONMENTAL CONSERVATION	Integrated Studies	Undergrad	Study of the human use, conservation, and management of Earth's resources, ecosystems, human interactions with the environment; human population growth; impact of technology on the environment; and practical solutions to environmental problems. Field trip(s) may be required. GEO 350 meets the DPI requirements for environmental education at some UW baccalaureate institutions.	Sustainability-focused
GEO 110 WORLD REGIONAL GEOGRAPHY	Integrated Studies	Undergrad	Intro to cultural Geo. through the study of representative & significant world regions. Examples will compare & contrast present & potential ethnic, social, political, & Env.al problems across select regions of the world, & explore basic solutions.	Sustainability-inclusive
GEO 125 PHYSICAL GEOGRAPHY- HOW THE EARTH WORKS	Integrated Studies	Undergrad	This course is about: how planet earth is constructed, weather and climate, water cycle, plate tectonics, volcanoes and earthquakes, landforms, soils and ecosystems, rocks and minerals, earth resources. Builds knowledge of our physical planet and our place within it. Two lab sessions per week. Field trips may be required.	Sustainability-inclusive
GEO 200 HISTORICAL GEOGRAPHY OF THE AMERICAN FRONTIER	Integrated Studies	Undergrad	(Same as GLG 170) Study of various Env.al hazards, their causes, impacts on humans, & mitigations. Core topics are natural hazards (earthquakes, volcanoes, flooding, l&slides, tornadoes, hurricanes), & anthropogenic hazards (climate change/global warming, nuclear hazards, & overpopulation). Additional topics may be covered: coastal hazards, pollution of groundwater, air, soil, & water, other atmospheric hazards (extreme weather, droughts), impacts from space, extinctions, biohazards, chemical hazards, & terrorism	Sustainability-inclusive
GEO 342 GEOGRAPHY OF WISCONSIN	Integrated Studies	Undergrad	The Geo. of Wisconsin's natural & cultural l&scapes with an emphasis on their sequential development & changing patterns of l& use & settlement. Natural resources, population, l& utilization, & economic development of the state. Field trip(s) maybe required.	Sustainability-inclusive
GEO 385 CULTURE, HEALTH, AND GLOBALIZATION	Integrated Studies	Undergrad	This course is an exploration of how the health of individuals, communities, and nations are impacted by globalization. The course uses an interdisciplinary approach to analyze the historical, economic, political, and socio-cultural dimensions of health in various regions around the world, including Sub-Sahara Africa, South Asia, East Asia, Latin America, and Europe. Rather than aiming to arrive at a fixed definition of " globalization" or to theorize the relationship between globalization and human well-being in universal terms, we will ask what is being globalized, how globalization is changing the world, and who is responsible for its consequences.	Sustainability-inclusive
GLG 135 INTRODUCTION TO ENVIORNMENTAL GEOLOGY	Integrated Studies	Undergrad	The physical Env. & our interaction with it. Emphasis on Earth processes affecting humans, such as flooding, erosion, groundwater, l&slides, & earthquakes. The impact of humans upon the Env. along with the application of the Sci. of geology to these impacts. Field trip(s) may be required. May not be taken for credit by students who have had GLG 169.	Sustainability-focused
GLG 169 ENVIRONMENTAL GEOLOGY	Integrated Studies	Undergrad	A geoscience exploration of earth's physical environment and our interaction with it. Topics include: Natural hazards such as flooding, erosion, landslides, earthquakes and tsunamis. Human impacts on the atmosphere, water and soil resources are studied thorough the lens of geoscience. Also included are mining and the use of energy and mineral resources as well as science-based ideas for sustainable interaction with our environment. Field trip(s) may be required.	Sustainability-focused
GLG 270 GLOBAL CLIMATE CHANGE: PAST, PRESENT, AND FUTURE	Integrated Studies	Undergrad	This course will examine contemporary scientific thought on the cycles of climate change, underst&ing of past climate conditions, the current state of the atmosphere, & predictions for future change & adaptation strategies. Close emphasis will be placed on evidence for climate change through cultural evidence for change (journals, historical documents) as well as physical evidence & proxies (tree rings, fossils, ice cores, sediments). Past periods of climate change will be analyzed in order to underst& how life was affected during those events as well as to set the context to better underst& scientific though on current & future climate trends.	Sustainability-focused
GLG 170 DISASTERS-LIVING ON THE EDGE	Integrated Studies	Undergrad	(Same as GEO 170) Study of various Env.al hazards, their causes, impacts on humans, & mitigations. Core topics are natural hazards (earthquakes, volcanoes, flooding, l&slides, tornadoes, hurricanes), & anthropogenic hazards (climate change/global warming, nuclear hazards, & overpopulation). Additional topics may be covered: coastal hazards, pollution of groundwater, air, soil, & water, other atmospheric hazards (extreme weather, droughts), impacts from space, extinctions, biohazards, chemical hazards, & terrorism.	Sustainability-inclusive
GLG 251 INTRODUCTION TO SOIL AND WATER RESOURCES	Integrated Studies	Undergrad	Course material is presented in an interdisciplinary manner providing a comprehensive examination of the physical, chemical, & biological properties of soil & water resources, & how these are linked to watershed processes & l& use practices on the l&scape level.	Sustainability-inclusive
MLG 100 INTRODUCTION TO METEOROLOGY	Integrated Studies	Undergrad	The study of the conditions & the processes of the atmosphere that constitute weather. This includes both description & explanation of various atmospheric processes. Topics include: solar energy budget, heating of the atmosphere, temperature, air pressure, winds, atmospheric moisture, precipitation, air masses, fronts, mid-latitude cyclones, thunderstorms, tornadoes, hurricanes, analysis of weather maps & forecasting	Sustainability-inclusive
MLG 110 GLOBAL CLIMATE STUDIES	Integrated Studies	Undergrad	The study of the conditions & the processes of the atmosphere that constitute climate. This includes both description & explanation of various global & regional climate processes. Topics include: Observing the Earth's climate, Earth's energy budget, Air/Sea Interactions, Paleoclimates, Global Circulations, Natural & Anthropogenic causes of Climate Change, Climate Classification & the climate future.	Sustainability-focused

PHI 385 POLITICS OF DEVELOPMENT	Integrated Studies	Undergrad	Why are some countries rich and others poor? Major theories and history of economic development. The role of the state in diverse economies. Effects of the global trade system and international financial institutions on economic growth, democracy, quality of life, and the environment. Examines human rights, experiences of indigenous people, gender, and the role of militarism.	Sustainability-focused
PHI 244 ENVIRONMENTAL ETHICS	Integrated Studies	Undergrad	A philosophical examination of both traditional & recent concepts & values which structure human attitudes towards the natural Env.. Theories may include anthropocentrism, biocentrism, ecocentrism, Leopold's land ethic, deep ecology, & ecofeminism. Topics may include the ethics of using l& for large-scale agricultural purposes, factory farming, fishing, hunting, xenotransplantation, species depletion, ozone depletion, & climate change.	Sustainability-focused
PHY 115 ENERGY AND THE ENVIRONMENT	Integrated Studies	Undergrad	Intended for non-Sci. majors, this course will give students the necessary physics background to form opinions on energy questions. The physical laws of thermodynamics, electricity, magnetism, & nuclear physics will be discussed in connection with energy related topics such as thermal pollution, fossil fuels, nuclear power, solar power & other alternative energy sources. Some elementary calculations (at the level of high school algebra) are included in the material, but the emphasis will be on a conceptual underst&ing of the energy-related issues affecting society today.	Sustainability-inclusive
POL 285 POLITICS OF WORLD INEQUALITY AND DEVELOPMENT	Integrated Studies	Undergrad	Why are some countries rich & others poor? Major theories & history of economic development. The role of the state in diverse economies. Effect of the global trade system, democracy, quality of life, & the Env.. Examines human rights, experiences of indigenous people, gender, & the role of militarism	Sustainability-inclusive
SOC 355 SOCIOLOGY OF THE ENVIRONMENT	Integrated Studies	Undergrad	Explores the socio-cultural foundations of our relationship with the natural environment. Examines the relationship between environmental degradation and social, political, and economic structures. Explores beliefs and values about the environment and their expression in various forms of environmentalism and environmental movements. Also analyzes the presentation of environmental issues in cultural, political, and scientific domains.	Sustainability-focused
SOC 130 CONTEMPORARY SOCIAL PROBLEMS	Integrated Studies	Undergrad	Sociological analysis of the nature, extent, causes, and potential solutions to selected major social problems such as poverty and wealth, racial and gender discrimination, crime and violence, drug abuse, family problems, quality of education, inadequate health care, population problems, intergroup conflict, and threats to the environment.	Sustainability-inclusive
SOC 205 GLOBAL SOCIAL PROBLEMS	Integrated Studies	Undergrad	Sociological analysis of the nature, extent, causes, & potential solutions to global social problems such as consumerism, poverty & wealth, human rights, population growth & hunger, health issues, militarism & terrorism, & threats to the Env.. Prereq: Not recommended for first-Sem. students.	Sustainability-inclusive
UWX ES105 INTRODUCTION TO ENVIRONMENTAL STUDIES	Integrated Studies	Undergrad	This course presents an overview of the interrelationships between humans and the environment. The material presented in the first one-third of the course focuses on important ecological concepts. The remainder of the course deals with human influence on the environment. Ecological concepts are used throughout to identify, understand, and provide a basis for proposing possible solutions to contemporary environmental problems.	Sustainability-focused
UWX GE100 PHYSICAL GEOGRAPHY AND THE ENVIRONMENT	Integrated Studies	Undergrad	Focus on concepts and processes that explain physical systems on Earth and the relationship between people and their natural environment.¿Themes in Physical Geography include Earth/Sun relationships, weather dynamics, the biosphere (ecology, biomes, conservation), and the lithosphere (mountain building, rocks, rivers, glaciers). Students complete assignments in CANVAS: assignments may be derived from textbook resources and instructor-created activities designed to better understand the natural world (such as weather patterns, rocks, soil properties or river dynamics) and how it applies to their daily life.	Sustainability-focused
UWX GE170 DISASTERS: LIVING ON THE EDGE	Integrated Studies	Undergrad	Study of various environmental hazards, their causes, impacts on humans, and mitigations. Core topics are natural hazards (earthquakes, flooding, tornadoes, hurricanes), and anthropogenic hazards (climate change, nuclear hazards, overpopulation). Additional topics may be covered: coastal hazards, pollution, other atmospheric hazards, impacts from space, extinctions, biohazards, chemical hazards, and terrorism.	Sustainability-inclusive
COLLEGE OF LETTERS AND SCIENCES	**Department**	**Level**	**Description**	
BIOLOGY 214 ECOLOGY AND SOCIETY	Biological Sciences	Undergrad	A study of basic ecological concepts and their application to the identification, understanding, and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from man and his activities. This course is accepted as a course in conservation required for teacher licensure in the sciences.	Sustainability-focused
BIOLOGY 215 EXPLORING ECOLOGICAL ISSUES IN SOCIETY	Biological Sciences	Undergrad	A study of basic ecological concepts and their application to the identification, understanding, and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from humanity's activities. This course includes a laboratory component concentrating on hands-on activities that will explore ecological phenomena and how human activity can alter how our natural world functions. This course fulfills the conservation requirement for teacher licensure in the sciences.	Sustainability-inclusive
BIOLOGY 220 INTRODUCTION TO EPIDEMIOLOGY	Biological Sciences	Undergrad	Introduction to basic principles of tracking changes in health indicators and problems in modern society. We will cover both current and historical cases to learn techniques of gathering information, analysis, and application. Problems will include infectious diseases, environmental problems, and other areas of concern in population health.	Sustainability-inclusive
BIOLOGY 250 ECO & GEOLGY OF YELLOWSTONE NATL. PARK & UPPER GREAT PLAINS	Biological Sciences	Undergrad	An interdisciplinary science course with travel to Yellowstone National Park (YNP) and other sites. On-line work will introduce ecology, geology and the natural history of the travel sites. Labs and fieldwork will be conducted outside of YNP. Students with disabilities may be accommodated. Biology or Geology/Geography majors take Bio/Geo 451 or see Department Chair. Summers only. Additional fees apply.	Sustainability-inclusive
BIOLOGY 257 INTRODUCTION TO ECOLOGY	Biological Sciences	Undergrad	A survey of ecosystems and animal and plant populations and communities. Topics include review of the Earth's major biomes and the physical factors that influence them, the ecology and evolution of populations, the nature of biotic communities, the structure and function of ecosystems, and the status and protection of biodiversity. Three hours of lecture per week. Optional field trip. Offered every semester.	Sustainability-inclusive
BIOLOGY 357 CONSERVATION BIOLOGY	Biological Sciences	Undergrad	This course explores the conceptual foundations of conservation biology. We will study the primary threats to biodiversity, and pay particular attention to issues of habitat degradation and loss, overexploitation, species invasions, and climate change. We will learn and apply skills, tools, and biological principles that are used by conservation biologists to study, track, manage, and mitigate environmental threats.	Sustainability-focused
BIOLOGY 359 AQUATIC PLANT BIOLOGY	Biological Sciences	Undergrad	Survey of freshwater aquatic and wetland plant diversity, with an emphasis on angiosperms. Topics include plant identification, ecology, physiology, reproduction, and dispersal of aquatic plants. Economically important and invasive plant species will be discussed.	Sustainability-inclusive
BIOLOGY 442 ENVIRONMENTAL TOXICOLOGY	Biological Sciences	Undergrad	This course is an introduction to environmental toxicology that focuses on sources, transport, fate, accumulation, and toxicity of contaminants. Principles of toxicity testing and analysis of effects at different levels of biological organization (molecular to ecosystem) are covered. Information on select classes of contaminants, including emerging contaminants of concern are presented.	Sustainability-inclusive
PUBHLTH 101 INTRODUCTION TO PUBLIC HEALTH	Biological Sciences	Undergrad	The course introduces students to core concepts, practices, and issues in the field of public health. Students develop an interdisciplinary population-level perspective on population-level health encompassing socioeconomic, cultural, behavioral, biological, and environmental factors. Students will critically examine the connections between patterns of health and disease, social conditions, public policies, and healthcare institutions, from the local to global levels.	Sustainability-inclusive
PUBHLTH 220 INTRODUCTION TO EPIDEMIOLOGY	Biological Sciences	Undergrad	Introduction to basic principles of tracking changes in health indicators and problems in modern society. We will cover both current and historical cases to learn techniques of gathering information, analysis, and application. Problems will include infectious diseases, environmental problems, and other areas of concern in population health.	Sustainability-inclusive
BIOLOGY 651 NATURAL HISTORY OF YELLOWSTONE NP AND THE UPPER GREAT PLAINS	Biological Sciences	Graduate	This is an introductory, multi-disciplinary, summer field course open to all. It is held at Yellowstone National Park and locations in route. Students will learn field methods, geology, ecology and natural history. It is suitable for biology and geology majors and anyone interested in field science or natural history.	Sustainability-inclusive
CHEM 270 INTRODUCTION TO GREEN CHEMISTRY	Chemistry	Undergrad	A lecture course covering the principles and common methods of green chemistry. Topics will include: atom economy, reduction of amount and toxicity of waste from chemical processes, reduction of energy use in chemical processes, assuring safety in chemical processes.	Sustainability-inclusive
CHEM 271 GREEN CHEMISTRY LABORATORY	Chemistry	Undergrad	The principles of green chemistry will be illustrated in this lab course. Topics will include atom economy, reduction of quantity and toxicity of waste, alternative solvents, renewable feedstocks, catalysts, and reaction monitoring.	Sustainability-inclusive
CHEM 620 A SAFER, GREENER WORLD THROUGH CHEMISTRY	Chemistry	Graduate	This course will focus on perpetuating a culture of safety and sustainability. Students will examine how safety methods, chemical hygiene plans, and chemical labeling apply to working in a lab to make it safer. Students will analyze the benefits and principles of green chemistry to improve sustainability of chemical reactions and processes.	Sustainability-focused

ENVSCI 100 EXPLORATION OF THE ENVIRONMENTAL SCIENCE MAJOR	Geography, Geology, & Environmental Science	Undergrad	This course provides information about environmental science to recently declared majors. Students will be introduced to the requirements of the major, curricular and co-curricular activities, academic advising, emphasis areas, and internship and employment opportunities.	Sustainability-inclusive
ENVSCI 200 INTRODUCTION TO ENVIRONMENTAL SCIENCE	Geography, Geology, & Environmental Science	Undergrad	This course introduces the discipline of environmental science. Through the exploration of scientific principles, students will expand and develop their knowledge of ecosystem processes, energy sources, landscape change, and environmental policies. The ultimate object of the course is to become informed on the role scientific exploration plays in understanding climate change, biodiversity, sustainable development, water pollution, and other environmental issues currently facing society.	Sustainability-focused
ENVSCI 222 INTRODUCTION TO SUSTAINABILITY	Geography, Geology, & Environmental Science	Undergrad	Sustainability" is the new mantra for communities, nations, and companies around the world. The elusive term means many things to many people, but what¿s at its heart? And should we be striving to achieve it? In this course, we¿ll explore the history and origins of the term, how it¿s used within academia, governments, and corporations and sort the "greenwashing" from actual structural change. Along the way, we¿ll explore practical attempts to achieve sustainability and undertake an audit of our own.	Sustainability-focused
ENVSCI 300 FIELD AND RESEARCH METHODS IN ENVIRONMENTAL SCIENCE	Geography, Geology, & Environmental Science	Undergrad	This course introduces and develops field and research techniques used in environmental science. Emphasis is placed on the use and application of field data collection to address research questions. Focus areas include experimental design, formulating testable hypotheses and field methods. Students will be introduced to sampling designs and proper protocols for collecting accurate and repeatable field measurements.	Sustainability-inclusive
ENVSCI 357 CONSERVATION BIOLOGY	Geography, Geology, & Environmental Science	Undergrad	This course explores the conceptual foundations of conservation biology. We will study the primary threats to biodiversity, and pay particular attention to issues of habitat degradation and loss, overexploitation, species invasions, and climate change. We will learn and apply skills, tools, and biological principles that are used by conservation biologists to study, track, manage, and mitigate environmental threats.	Sustainability-focused
ENVSCI 400 ENVIRONMENTAL SCIENCE CAPSTONE	Geography, Geology, & Environmental Science	Undergrad	This course enables students to utilize the wide range of knowledge and skills acquired in other courses to complete an original, interdisciplinary environmental science research project while acquiring and refining crucial skills such as research design, analysis, presentation, and teamwork that will prepare them for a career in environmental sciences.	Sustainability-inclusive
GEOGRPY 100 INTRODUCTION TO GEOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	Introduction to Geography introduces students to the specialties within geography, outlines the academic tracks within the major and associated requirements, and explores public and private career opportunities in the field of geography. Required of all majors at earliest opportunity.	Sustainability-inclusive
GEOGRPY 120 GLOBAL CLIMATE SYSTEMS	Geography, Geology, & Environmental Science	Undergrad	Introduction to global energy, moisture, and circulation systems that drive climates at the global scale. Emphasis will be on the patterns of interannual variability (climate change) and the physical processes that cause those changes. The processes examined will be 1) internal forcing mechanisms (atmosphere, biosphere, cryosphere, and hydrosphere), 2) external forcing mechanisms (solar dynamics, orbital pattern changes, tectonic changes), and 3) human-induced forcing mechanisms (deforestation, atmospheric composition changes, etc.). As part of the lab component, students will apply the concepts learned in the course to complete a small research project that guides them through the scientific process.	Sustainability-focused
GEOGRPY 210 PHYSICAL GEOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	A study of selected physical aspects of our geographic environment. Emphasis is given to the origin and characteristic features of topographic, climatic, vegetative and soil regions of the earth and to their interrelationships. The ultimate objective is to provide a foundation upon which to build a better understanding of human interrelationships with the physical environment. Field trips are normally taken.	Sustainability-inclusive
GEOGRPY 245 GENDER AND GEOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	Human geographies will be studied through the lens of gender along with gender relations at home and abroad. Content is organized according to a variety of spatial scales including the body, home, city, and world. Cases investigated at the global scale include gendered livelihoods and migration, nationalism and war, and environmental issues.	Sustainability-inclusive
GEOGRPY 252 GLOBAL ENVIRONMENTAL CHALLENGES	Geography, Geology, & Environmental Science	Undergrad	An introduction to environmental problems and their complexities. Attention is given to alternative solutions to such problems and the implications these alternatives have for the total environment. The course emphasizes the evaluation of the interrelationships between the environmental resource demands of people and the actual resource base of the earth.	Sustainability-focused
GEOGRPY 261 LANDSCAPES OF NORTH AMERICA: PEOPLE AND ENVIRONMENT	Geography, Geology, & Environmental Science	Undergrad	The United States and Canada have a diverse geography of land, water, and people. This course explores the regional connections between economic activities, cultures, physical characteristics, and natural resources in North America.	Sustainability-inclusive
GEOGRPY 323 WATER RESOURCES	Geography, Geology, & Environmental Science	Undergrad	Class will investigate the pathways and processes of water transfer and storage in the many reservoirs on earth, along with the impact of human activities on water quality and fluxes. Detail is given to shallow groundwater monitoring and soil indicators of saturation for wetland delineation, anthropegenic effects on streams, and land use issues related to water quality. Field trips normally taken.	Sustainability-inclusive
GEOGRPY 330 BIOGEOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	This course provides an introduction to biogeography, the study of distributions of organisms. This course will combine both historical and ecological perspectives in analyzing plant and animal distributions. Human impacts on biotic distributions will also be discussed in some detail.	Sustainability-inclusive
GEOGRPY 352 GEOHAZARDS	Geography, Geology, & Environmental Science	Undergrad	The course will focus on the physical processes that create environmental hazards (e.g. earthquakes, volcanoes, severe weather), the primary controls on their frequency and intensity, and how human decision-making can influence the magnitude of impact that they have when they inevitably occur. Comparisons are made between impacts of hazards on developing versus developed countries.	Sustainability-inclusive
GEOGRPY 354 NATURAL HAZARD MITIGATION	Geography, Geology, & Environmental Science	Undergrad	The course examines four phases of emergency management - mitigation, preparedness, response, and recovery. Topical content includes identifying and classifying natural hazards, mitigation regulations and strategies, government grant programs and assistance, developing risk assessments, and hazard planning. Special emphasis is placed on community resiliency.	Sustainability-focused
GEOGRPY 361 GEOGRAPHY OF SOUTH AND SOUTHEAST ASIA	Geography, Geology, & Environmental Science	Undergrad	A study of contemporary and historical interrelationships between the natural environment and the economic, political and cultural activities in South and Southeast Asia. Countries studied include: Pakistan, Bangladesh, Sri Lanka, Burma, Thailand, Vietnam, Laos, Cambodia, Indonesia, and the Phillipines.	Sustainability-inclusive
GEOGRPY 364 GEOGRAPHY OF EAST ASIA	Geography, Geology, & Environmental Science	Undergrad	A study of contemporary and historical interrelationships between the natural environment and economic, political and cultural activities in East Asia. Countries studied include: China, Taiwan, Mongolia, Japan, and North and South Korea.	Sustainability-inclusive
GEOGRPY 365 GEOGRAPHY OF LATIN AMERICA	Geography, Geology, & Environmental Science	Undergrad	In this course we examine the people and places of Latin America - including Mexico, Central America, South America, and the West Indies - from a variety of perspectives using key geographical concepts. As a general education course, we borrow from economics, history, demography, political science, and environmental studies, among other disciplines, to get a well rounded understanding of how Latin America has been shaped over the last five centuries. Informed by history and geography, we pay special attention to current events and conditions in the region.	Sustainability-inclusive
GEOGRPY 420 CLIMATE CHANGE: THE SCIENCE AND IMPACTS	Geography, Geology, & Environmental Science	Undergrad	This course examines the topic of climate change from many perspectives. First, the science behind climate change is explored to determine the various natural and man-made influences on climate change. Second, the impacts are explored and how they are related to climate change; these topics range from the economic, political, cultural, and ecological.	Sustainability-focused
GEOGRPY 444 CITIES AND SUSTAINABILITY	Geography, Geology, & Environmental Science	Undergrad	A study of the historical, social and political framework of the urban and regional planning process with primary emphasis on understanding the links between sustainability and the configuration of urban space. Although American cities are emphasized, course content is placed within a broad global context. Students obtain exposure to professional planning approaches and a field trip is often required.	Sustainability-focused
GEOGRPY 452 SUSTAINABLE DEVELOPMENT AND HUMAN-ENVIRONMENT GEOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	Sustainable development works toward a world in which we balance environmental, social, and economic goals. In this class, you'll learn the origins of sustainable development and how its principles are defined and implemented in different communities. Additionally, we'll learn how human-environment geography helps us better understand human actions, cultures, and values and their impacts on environmental, political, and economic systems.	Sustainability-focused
GEOGRPY 460 GIS IN WATER RESOURCES	Geography, Geology, & Environmental Science	Undergrad	The course focuses on the use of GIS to develop solutions to problems associated with water resources. Practical applications will include using GIS to spatially and temporally examine the relationship of watershed characteristics on soil erosion, wetlands, water quality, streamflow, and in-stream habitat. The course combines traditional lectures with computer time in labs equipped with the latest GIS software. Grading is heavily based on completion of projects/technical reports and the quality of GIS outputs.	Sustainability-inclusive

GEOGRPY 470 APPLIED ENVIRONMENTAL AND NATURAL RESOURCE GIS	Geography, Geology, & Environmental Science	Undergrad	This course will provide the knowledge and skills necessary to utilize GIS for solving applied environmental analysis problems. Specifically, the course is designed to 1) identify and resolve environmental and natural resource problems in terms of spatial analysis, 2) explore a conceptual understanding of GIS, 3) provide students with technical instruction in current GIS software.	Sustainability-inclusive
GEOLGY 250 ECO & GEOLGY OF YELLOWSTONE NATL. PARK & UPPER GREAT PLAINS	Geography, Geology, & Environmental Science	Undergrad	An interdisciplinary science course with travel to Yellowstone National Park (YNP) and other sites. On-line work will introduce ecology, geology and the natural history of the travel sites. Labs and fieldwork will be conducted outside of YNP. Students with disabilities may be accommodated. Biology or Geology/Geography majors take Bio/Geo 451 or see Department Chair. Summers only. Additional fees apply.	Sustainability-inclusive
GEOLGY 300 PRINCIPLES OF OCEANOGRAPHY	Geography, Geology, & Environmental Science	Undergrad	A study of the physical, chemical, geological and biological aspects of the major water masses of the world and human dependency on these water masses. One field trip to observe shoreline processes is required. A special fee will be assessed to students electing to participate in an optional field trip to cover the transportation costs.	Sustainability-inclusive
GEOLGY 301 ENVIRONMENTAL GEOLOGY	Geography, Geology, & Environmental Science	Undergrad	A study of geological phenomena such as earthquakes, volcanism, mass movements, river processes, coastal processes etc. and their impacts on society and enviroment. Special emphasis will be placed on examining remedial measures against geological hazards and how human actions influence natural geological processes. Three lecture hours per week.	Sustainability-inclusive
GEOLGY 352 GEOHAZARDS	Geography, Geology, & Environmental Science	Undergrad	The course will focus on the physical processes that create environmental hazards (e.g. earthquakes, volcanoes, severe weather), the primary controls on their frequency and intensity, and how human decision-making can influence the magnitude of impact that they have when they inevitably occur. Comparisons are made between impacts of hazards on developing versus developed countries.	Sustainability-inclusive
HISTRY 190 NORTH AMERICAN ENVIRONMENTAL HISTORY	History	Undergrad	This course will examine human interaction with the natural environment in North America between roughly 1400 and the present. Special attention will be paid to the twentieth century. It will also explore the ways in which people have historically defined, used, and modified nature to suit their needs and interests.	Sustainability-focused
ENGLISH 260 AMERICAN ENVIRONMENTAL LITERATURE	Literature, Writing, and Film	Undergrad	Explore American environmental literature (creative non-fiction/fiction/poetry) from its orgins, with special attention to key authors such as Ralph Waldo Emerson, Henry David Thoreau, Emily Dickinson, John Muir, Teddy Roosevelt, Aldo Leopold, Leslie Silko, Rachel Carlson, Annie Dillard and Bill McKibben.	Sustainability-focused
ENGLISH 386 NATURE WRITING	Literature, Writing, and Film	Undergrad	An intensive writing workshop that provides students with an introducion to the history, theory, techniques, and practice of American nature writing in its many forms.	Sustainability-inclusive
PHILSPHY 248 ENVIRONMENTAL ETHICS	Philosophy and Religious Studies	Undergrad	A critical examination of ethical issues and problems arising from human interaction with non-human animals and the natural environment. Topics, such as the moral status of non-human animals, the moral bases of an environmental ethics, biodiversity, and sustainable development, will be considered by examining the writing of philosophers representing various perspectives.	Sustainability-focused
PHYSCS 100 ENERGY	Physics	Undergrad	An examination of energy; its nature, the forms in which it appears, its transformation, current and future sources, and energy issues faced by an informed electorate.	Sustainability-inclusive
POLISCI 200 INTRODUCTION TO PEACE AND SOCIAL JUSTICE	Politics, Government, and Law	Undergrad	Introduction to Peace and Social Justice teaches an interdisciplinary approach to understanding peace -- as more than the absence of war. It explores mulitple ways to create the conditions where social justice can flourish from global to local levels. Themes: non-violence, conflict resolution, human rights, environmental sustainability, and social inequallity	Sustainability-focused
POLISCI 342 SCIENCE POLICY AND HUMAN HEALTH	Politics, Government, and Law	Undergrad	This course will explore the intersections between science, public policy, and human health. A number of controversial scientific issues that have the potential to affect human health will be reviewed, which may include climate change, medical marijuana, genetic engineering and childhood vaccination.	Sustainability-inclusive
POLISCI 343 US ENVIRONMENTAL POLITICS AND POLICY	Politics, Government, and Law	Undergrad	This course will explore opportunities and constraints in the development of environmental policy in the United States.	Sustainability-focused
PAX 200 INTRODUCTION TO PEACE AND SOCIAL JUSTICE	Sociology, Anthropology, and Criminal Justice	Undergrad	Introduction to Peace and Social Justice teaches an interdisciplinary approach to understanding peace -- as more than the absence of war. It explores mulitple ways to create the conditions where social justice can flourish from global to local levels. Themes: non-violence, conflict resolution, human rights, environmental sustainability, and social inequallity	Sustainability-focused
ANTHROPL 320 UNDERSTANDING HERITAGE: FROM LANDMARKS TO THEME PARKS	Sociology, Anthropology, and Criminal Justice	Undergrad	What is heritage and what role does it play in determining who and what we are and what we might be? This course explores these questions seeking to explain how groups define heritage, use it, and varyingly preserve it. Topics include resource management systems, the World Heritage program, activist groups, impacts of heritage tourism and looting.	Sustainability-inclusive
SOCIOLGY 200 INTRODUCTION TO PEACE AND SOCIAL JUSTICE	Sociology, Anthropology, and Criminal Justice	Undergrad	Introduction to Peace and Social Justice teaches an interdisciplinary approach to understanding peace -- as more than the absence of war. It explores mulitple ways to create the conditions where social justice can flourish from global to local levels. Themes: non-violence, conflict resolution, human rights, environmental sustainability, and social inequallity	Sustainability-focused
SOCIOLGY 250 SOCIAL PROBLEMS	Sociology, Anthropology, and Criminal Justice	Undergrad	This course examines various theoretical explanations of contemporary social problems such as crime, drug use, poverty, discrimination and environmental pollution. The impact of social problems on different groups in society and the role of social movements, government, and social policy are considered.	Sustainability-inclusive
SOCIOLGY 319 ENVIRONMENTAL SOCIOLOGY	Sociology, Anthropology, and Criminal Justice	Undergrad	This course examines the economic and political structures that have induced natural environmental degradation throughout the world and highlights the impact of collective social actors mobilizing to influence the process of environmental policy formation in order to address environmental and technological risks.	Sustainability-focused
SOCIOLGY 321 SOCIOLOGY OF NATURAL DISASTERS	Sociology, Anthropology, and Criminal Justice	Undergrad	This course examines the impact of natural events from a sociological perspective, including hurricanes and earthquakes in which a relatively self-sufficient community undergoes severe physical destruction and incurs in financial loses and the loss of community. Agency and governmental response to disaster emergencies will also be considered.	Sustainability-inclusive
WOMENST 245 GENDER AND GEOGRAPHY	Women's and Gender Studies	Undergrad	Human geographies will be studied through the lens of gender along with gender relations at home and abroad. Content is organized according to a variety of spatial scales including the body, home, city, and world. Cases investigated at the global scale include gendered livelihoods and migration, nationalism and war, and environmental issues.	Sustainability-inclusive
WOMENST 481 GENDER, ETHNICITY, AND THE ENVIRONMENT	Women's and Gender Studies	Undergrad	An examination of the ways that sexism, racism, ethnic/class exploitation and environmental destruction are interrelated. Considers social and cultural forces that lead to limited and/or gendered concepts of nature, and explores alternative theoretical and activist perspectives (deep ecology, bioregionalism, ecofemisim, environmental justice, etc.) and responses to the environmental crisis.	Sustainability-focused
ASIANSTD 361 GEOGRAPHY OF SOUTH AND SOUTHEAST ASIA	World Languages and Cultures	Undergrad	A study of contemporary and historical interrelationships between the natural environment and the economic, political and cultural activities in South and Southeast Asia. Countries studied include: Pakistan, Bangladesh, Sri Lanka, Burma, Thailand, Vietnam, Laos, Cambodia, Indonesia, and the Phillipines.	Sustainability-inclusive
ASIANSTD 364 GEOGRAPHY OF EAST ASIA	World Languages and Cultures	Undergrad	A study of contemporary and historical interrelationships between the natural environment and economic, political and cultural activities in East Asia. Countries studied include: China, Taiwan, Mongolia, Japan, and North and South Korea.	Sustainability-inclusive
RACEETH 580 RACE,ETHNICITY & SOCIAL JUSTICE:ISSUES FOR HELPING PROFESSIONALS	Race and Ethnic Studies	Graduate	The course is designed to help students develop a greater understanding of the influence of one's race and ethnicity on the ways individuals perceive the world and the ways they are treated by others and by society. Within the framework of the helping professions, students will have the opportunity to examine their attitudes toward members of racial and ethnic minorities, develop ways to learn about the participation in and treatment of racial and ethnic minority groups in work, education, and social services, and examine ways to affect one's own attitudes and society to achieve social justice.	Sustainability-focused