

University of Wyoming Sustainability Course Catalog - AASHE STARS AC01 Academic Courses

Sustainability Courses (Undergraduate)				
College	Department	Course Code	Title	Description
College of Agriculture and Natural Resources	Plant Sciences	PLNT 4020	Sustainable Agriculture	Focuses on the sustainability of agroecosystems and the human communities that maintain them in the context of regional, national, and global food and fiber requirements. Topics include the scale of agriculture, low-input systems, current energy and transportation challenges, markets, and integrated crop and livestock production. Dual listed with PLNT 5020.
College of Arts and Sciences	Geology	GEOL 1600	Global Sustainability: Managing Earth's Resources	Uses biology, chemistry, physics and Earth science to examine Global Sustainability and how this worldview might guide our future management of Earth resources. Case studies in different international settings place questions of resource exploitation (discovery, extraction, processing, use and disposal) and sustainability in a larger global context.
College of Arts and Sciences	Sociology	SOC 3950	Environmental Sociology	Explores how ecology, technology, politics, economics, and culture intersect. By analyzing key contemporary environmental debates, students will develop an understanding of sociological analyses, and the impact of social life on our environment, as well as the effect of the environment on social life. Topics covered include: the environmental movement; sustainable development; developing nations and their environment; capitalism and technology; and environmental justice. Cross listed with ENR 3950.
College of Business	Marketing	MKT 4590	Sustainable Business Practices	A close look at what is happening in business practice today through the 'lens' of sustainability. Business models and systems will be discussed and a framework proposed for assessing the ways in which principles of sustainability may be embedded within corporate strategy. Cross listed with INST 4590; dual listed with MKT 5590.
College of Business	Marketing	MKT 4600	Campus Sustainability	Uses campus as a setting to explore long-term environmental, economic, and social sustainability theory and practice. Students design and implement a semester-long project to improve sustainability of the UW campus. Interdisciplinary and appropriate for students of all disciplines. Dual listed with MKT 5600; cross listed with ENR 4600.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 1300	Foundations of Sustainability	Examine the basic concepts, theories, and practice of sustainability as a foundation for future learning in the field. Explore principles of sustainability in our community and personal lives through various lenses and systems.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3950	Environmental Sociology	Explores how ecology, technology, politics, economics, and culture intersect. By analyzing key contemporary environmental debates, students will develop an understanding of sociological analyses, and the impact of social life on our environment, as well as the effect of the environment on social life. Topics covered include: the environmental movement; sustainable development; developing nations and their environment; capitalism and technology; and environmental justice. Cross listed with SOC 3950.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4600	Campus Sustainability	Uses campus as a setting to explore long-term environmental, economic, and social sustainability theory and practice. Students design and implement a semester-long project to improve sustainability of the UW campus. This interdisciplinary course is appropriate for students of all disciplines. Dual listed with ENR 5600; cross listed with MKT 4600.

Courses with Sustainability (Undergraduate)				
College	Department	Course Code	Title	Brief Description
College of Agriculture and Natural Resources	Agriculture	AGRI 1520	Field Practices. Extension.	Topics include rangeland resources and profitable and sustainable agriculture.
College of Agriculture and Natural Resources	Agriculture	AGRI 2100	International Experiences in Natural Resources	Includes travel to a foreign country to study its environmental issues.
College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 3100	Principles of Wildland Water Quality	Discusses effects on water quality due to livestock production, agronomic production, and mineral and natural gas extraction.
College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 4051	Environmental Politics	Analyzes environmentalism and the impacts of environmental issues on the formulation and implementation of laws, policies, and regulations.

College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 4330	Rangeland Ecosystem Assessment and Monitoring	Topics include riparian and wildlife habitat values and statistical applications to evaluate rangeland resource integrity and sustainable use.
College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 4810	Experiments in Restoration	Topics include biodiversity and climate change as they relate to restoration science.
College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 4830	Ecological Applications for Wildlife Management	Has an emphasis on applying understanding of interactions among components of rangelands to facilitate sustainable provision of ecosystem services.
College of Agriculture and Natural Resources	Rangeland Ecology and Watershed Management	REWM 4900	Rangeland Management Planning	Applies planning processes that integrate soil, vegetation, water, livestock, wildlife, and environmental regulatory considerations within the context of satisfying ecologically sustainable rangeland management objectives.
College of Agriculture and Natural Resources	Soil Science	SOIL 3000	Irrigated Agriculture	Includes discussion of the importance of water use efficiency as a strategy for water conservation.
College of Agriculture and Natural Resources	Soil Science	SOIL 4140	Soil Microbiology	Topics include environmental contamination related to soil microbiology.
College of Agriculture and Natural Resources	Family and Consumer Sciences	FCSC 4182	Textile Industry Environment	Examines the impact of the textile industry on the environment and issues facing the textile industry to provide more environmentally friendly products.
College of Agriculture and Natural Resources	Family and Consumer Sciences	FCSC 4188	Interior Design II	Discusses ideas of sustainable design for the public.
College of Agriculture and Natural Resources	Microbiology	MICR 4140	Soil Microbiology	Topics include environmental contamination related to soil microbiology.
College of Agriculture and Natural Resources	Agroecology	AECL 1000	Agroecology	Topics include the science of sustainable agricultural production and differences between developed and developing countries.
College of Agriculture and Natural Resources	Plant Sciences	PLNT 4120	Organic Food Production	Explores environmentally friendly methods to reduce chemical, petroleum and synthetic inputs for more sustainable crop and livestock agricultural systems.
College of Agriculture and Natural Resources	Plant Sciences	PLNT 4160	Western Landscape Design	Emphasizes water use efficiency as it relates to high altitude landscaping.
College of Agriculture and Natural Resources	Plant Sciences	PLNT 4700	Forage Crop Science	Topics include sustainable agriculture.
College of Agriculture and Natural Resources	Pathobiology	PATB 4240	Disease Ecology	Topics include conservation biology and environmental effects on disease patterns and processes.
College of Arts and Sciences	American Studies	AMST 4051	Environmental Politics	Analyzes environmentalism and the impacts of environmental issues on the formulation and implementation of laws, policies, and regulations.
College of Arts and Sciences	Botany	BOT 4420	Conservation Biology	Addresses the broadest environmental issues facing society (habitat loss, invasion, overexploitation) and the mechanisms driving them. Students also learn how to evaluate conservation efforts.
College of Arts and Sciences	Geography	GEOG 2550	Recreation and Natural Resources	Examines the relationship of recreation to the conservation of natural resources.
College of Arts and Sciences	Geography	GEOG 3030	Geography and Development	Examines distribution of wealth and poverty in the world, and discusses sustainable development.
College of Arts and Sciences	Geography	GEOG 3480	Environmental Change	Explores how humans have modified Earth's environments and how societies have responded to natural and anthropogenic environmental change.
College of Arts and Sciences	Geography	GEOG 4040	Conservation of Natural Resources	Geographically analyzes conservation of natural and human resources, as well as political, social and ethical ramifications of our environmental policy.
College of Arts and Sciences	Geography	GEOG 4051	Environmental Politics	Analyzes environmentalism and the impacts of environmental issues on the formulation and implementation of laws, policies, and regulations.
College of Arts and Sciences	Geography	GEOG 4330	Land Use Planning	Examines and analyzes the interacting environmental, economic, and social factors that affect specific land activities.
College of Arts and Sciences	Geography	GEOG 4440	Advanced Global Climate Variability	Analyzes climate variation and its impacts on environmental and societal impacts to ecosystems.
College of Arts and Sciences	Geography	GEOG 4460	Biogeography	Interactions of climate, biota and human activities are emphasized.
College of Arts and Sciences	Geography	GEOG 4500	The American Landscape	Examines the contemporary landscape of the United States and the process of creation and change and investigates the relationship between landscape and American environmental attitudes.
College of Arts and Sciences	Geology and Geophysics	GEOL 1500	Water, Dirt, and Earth's Environment	Explores surface processes and climate change over geological and human timescales.
College of Arts and Sciences	Geology and Geophysics	GEOL 1600	Global Sustainability: Managing Earth's Resources	Uses biology, chemistry, physics and Earth science to examine Global Sustainability and how this worldview might guide our future management of Earth resources.

College of Arts and Sciences	Geology and Geophysics	GEOL 3500	Global Change: A Geological Perspective	Considers the geological and historical record of climate change, and discusses the possible effects on human activities on these chemical and geophysical systems.
College of Arts and Sciences	Geology and Geophysics	GEOL 3600	Earth and Mineral Resources	Includes discussion of mining techniques and associates them with environmental problems and regulations.
College of Arts and Sciences	Geology and Geophysics	GEOL 3650	Energy for Society: Addressing the Energy Grand Challenge	Examines the energy needs of a modern industrialized society and looks at the types of energy, the natural laws that govern their use, transformation, and conservation.
College of Arts and Sciences	International Studies	INST 2350	Introduction to Global Studies	Explores the links between consumption, civil society, social justice, and ecological integrity through a lens of globalization.
College of Arts and Sciences	International Studies	INST 4375	Transitional Justice	Uses case studies to examine transitional justice interventions to stop gross human rights violations and acts of mass atrocity within nations.
College of Arts and Sciences	International Studies	INST 4455	Energy Security	Evaluates the geopolitical and socioeconomic issues surrounding the roots of energy insecurity and the global challenge to provide adequate, affordable, and accessible energy. Topics include energy nationalism, climate security, and the future of fossil fuels and alternative energies.
College of Arts and Sciences	International Studies	INST 4590	Sustainable Business Practices	Discusses a framework proposed for assessing the ways in which principles of sustainability may be embedded within corporate strategy.
College of Arts and Sciences	History	HIST 4475	American Environmental History	Explores the history of American attitudes and actions toward the land and natural resources.
College of Arts and Sciences	Latina/o Studies	LTST 1030	Social Justice in the 21st Century	Examines how to develop and maintain just communities as related to diversity and social justice.
College of Arts and Sciences	Life Sciences	LIFE 1020	Life Science	Considers applications of fundamental principles of biology to societal issues such as the conservation of biodiversity, overpopulation, and global environmental changes.
College of Arts and Sciences	Philosophy	PHIL 3250	Global Justice	Examines global justice and international ethics. Topics include global economic justice, human rights, humanitarian duties, and world hunger.
College of Arts and Sciences	Political Science	POLS 4051	Environmental Politics	Analyzes environmentalism and the impacts of environmental issues on the formulation and implementation of laws, policies, and regulations.
College of Arts and Sciences	Political Science	POLS 4375	Transitional Justice	Uses case studies to examine transitional justice interventions to stop gross human rights violations and acts of mass atrocity within nations.
College of Arts and Sciences	Zoology	ZOO 4420	Conservation Biology	Addresses the broadest environmental issues facing society (habitat loss, invasion, overexploitation) and the mechanisms driving them. Students also learn how to evaluate conservation efforts.
College of Arts and Sciences	Zoology	ZOO 4650	Tropical Field Ecology Ecuador	10-day study abroad (with additional semesterly lectures) that studies ecology, biodiversity and conservation of tropical forests and behavioral ecology of birds and mammals.
College of Business	Economics	ECON 1000	Global Economic Issues	Discusses issues including sustainable development and global energy dependence.
College of Business	Economics	ECON 2400	Economics of the Environment	Examines in detail the relationship between the economy and the natural environment, with attention given to efficient environmental management and policies. Also studies current environmental issues from an economic perspective.
College of Business	Economics	ECON 4400	Environmental Economics	Studies economic issues involved in development and maintenance of the human environment. Topics include resource allocation, social cost, pollution of water and air, and policy issues relating to environmental issues.
College of Business	Economics	ECON 4410	Natural Resource Economics	A study of the economic issues associated with renewable and nonrenewable resources. Includes study of fossil fuels, fisheries, and forestry resources.
College of Business	Management	MGT 4340	Law for Managers	Discusses sustainable business practices as they pertain to managing a business. Includes discussion of environmental/sustainability regulations.
College of Engineering and Applied Sciences	Atmospheric Science	ATSC 2100	Global Warming: The Science of Humankind's Energy Consumption Impacting Climate	Introduces students to the fundamental scientific principles governing climate change. Examines both natural and human contributions to global warming and presents potential strategies to mitigate global warming.
College of Engineering and Applied Sciences	Chemical Engineering	CHE 4070	Process Design I	Introduces engineering economics, process safety management and environmental management as related to design of chemical processes.
College of Engineering and Applied Sciences	Chemical Engineering	CHE 4080	Process Design II	Applies previous courses to the design of safe, economical and environmentally benign chemical processes.
College of Engineering and Applied Sciences	Chemical Engineering	CHE 4100	Biochemical Engineering	Applies chemical engineering principles to the analysis and design of biological processes widely used in environmental remediation industries.
College of Engineering and Applied Sciences	Civil Engineering	CE 1000	VISTA Studio I	Introductory engineering course including topics such as diversity, professional ethics, sustainability, and environmental stewardship.
College of Engineering and Applied Sciences	Civil Engineering	CE 3000	VISTA Studio III	Application of learned concepts including professional ethics and sustainability to design problems.

College of Engineering and Applied Sciences	Civil Engineering	CE 3400	Introduction to Environmental Engineering	Introduces the field of environmental engineering, including wastewater treatment and air pollution control.
College of Engineering and Applied Sciences	Civil Engineering	CE 4010	Civil Engineering Design	Capstone course for civil engineering students including concepts of sustainability, which are applied to a design project.
College of Engineering and Applied Sciences	Architectural Engineering	ARE 1000	VISTA Studio I	Introductory engineering course including topics such as diversity, professional ethics, sustainability, and environmental stewardship.
College of Engineering and Applied Sciences	Architectural Engineering	ARE 2410	Fundamentals of Building Performance	Introduces building performance measures that embrace a global notion of environmental stewardship. Emphasizes passive heating and cooling systems and a number of other efficiency methods used in building design.
College of Engineering and Applied Sciences	Architectural Engineering	ARE 3000	VISTA Studio III	Application of learned concepts including professional ethics and sustainability to design problems.
College of Engineering and Applied Sciences	Architectural Engineering	ARE 4430	HVAC Systems Analysis and Design	Includes energy conservation techniques in the field of heating, ventilation, and air conditioning (HVAC).
College of Engineering and Applied Sciences	Land Surveying	LS 2110	Real Property Law	Includes discussion of environmental law and regulation as they relate to real property law.
College of Health Sciences	Health Education	HLED 1006	Personal Health	Includes discussion of health care access.
College of Health Sciences	Health Education	HLED 4020	Food, Health, and Justice	Maps ways our dominant national and global food systems affect health and equity in health. Students critically assess practiced and potential strategies for creating alternative food systems that support health and equity.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 1000	Energy and Society	Discusses the past, present, and future of human energy sources, the current, non-sustainable pattern of energy use, and the problems associated with the eventual conversion to renewable energy resources.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 1101	First-Year Seminar. Environment	Introduces students to environmental science and explores both science and non-science dimensions of ENR issues.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 1500	Water, Dirt, and Earth's Environment	Explores surface processes and climate change over geological and human timescales.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 2000	Environment and Society	Explores ways in which elements of society approach, evaluate, and develop positions relative to environmental issues.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3000	Approaches to ENR Problem Solving	Introduces students to environmental and natural resource problem solving and decision making.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3100	Principles of Wildland Water Quality	Discusses effects on water quality due to livestock production, agronomic production, and mineral and natural gas extraction.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3130	Environmental Quality	Emphasizes impacts to soil, water, atmospheric, and vegetative ecosystems due to different nutrients and contaminants. Includes a field trip to the Union Pacific Tie Plant.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3300	Environmental Policy, Conservation and Development in India	Focuses on India's environmental policies pertaining to conservation and development.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 3700	Wyoming Conservation Corps Practicum	Students entering the Wyoming Conservation Corps take this course as training for and documentation of their experiences as part of the WCC.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4012	Winter Ecology: Wildlife and Plant Adaptations	Includes discussion of the predicted impacts of climate change on animals and plants that have adapted to cope with the stresses of winter.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4040	Conservation of Natural Resources	Geographically analyzes conservation of natural and human resources, as well as political, social and ethical ramifications of our environmental policy.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4051	Environmental Politics	Analyzes environmentalism and the impacts of environmental issues on the formulation and implementation of laws, policies, and regulations.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4420	Conservation Biology	Addresses the broadest environmental issues facing society (habitat loss, invasion, overexploitation) and the mechanisms driving them. Students also learn how to evaluate conservation efforts.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4750	ENR Law and Policy	Explores the policy underpinnings of environmental and natural resource issues and the legal responses to these problems. Topics include environmental problems, including energy, water, wildlife, and western land use issues, and the approaches actually taken in current laws.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4950	Leadership in Natural Resources Management	Provides Crew Leaders in the Wyoming Conservation Corps with an understanding of natural resources management and equips them with tools to confidently lead groups of students on conservation-oriented service-learning projects on Wyoming's public lands.

Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 4970	ENR Internship	Awards credit via an applied internship and practical experience in environmental and natural resource policy, management, and decision processes.
Helga Otto Haub School of Environment and Natural Resources	Environmental Systems Science	ESS 3480	Environmental Change	Explores how humans have modified Earth's environments and how societies have responded to natural and anthropogenic environmental change.
Helga Otto Haub School of Environment and Natural Resources	School of Energy Resources	ERS 1000	Energy and Society	Discusses the past, present, and future of human energy sources, the current, non-sustainable pattern of energy use, and the problems associated with the eventual conversion to renewable energy resources.

Sustainability Courses (Graduate)				
College	Department	Course Code	Title	Description
College of Agriculture and Natural Resources	Plant Sciences	PLNT 5020	Sustainable Agriculture	Focuses on the sustainability of agroecosystems and the human communities that maintain them in the context of regional, national, and global food and fiber requirements. Topics include the scale of agriculture, low-input systems, current energy and transportation challenges, markets, and integrated crop and livestock production. Dual listed with PLNT 5020.
College of Business	Marketing	MKT 5590	Sustainable Business Practices	A close look at what is happening in business practice today through the 'lens' of sustainability. Business models and systems will be discussed and a framework proposed for assessing the ways in which principles of sustainability may be embedded within corporate strategy. Dual listed with MKT 5590.
College of Business	Marketing	MKT 5600	Campus Sustainability	Uses campus as a setting to explore long-term environmental, economic, and social sustainability theory and practice. Students design and implement a semester-long project to improve sustainability of the UW campus. Interdisciplinary and appropriate for students of all disciplines. Dual listed with MKT 5600; cross listed with ENR 4600.
College of Business	Master of Business Administration	MBAM 5305	Sustainable Management Strategy (Capstone)	Presents general principles of sustainable strategic management, relying heavily on case analysis. Course material will be managerially relevant, with an analytical and decision-oriented approach.
College of Business	Master of Business Administration	MBAM 5508	Marketing and Sustainable Consumptions	Focuses on understanding household and business energy consumption. Emphasizes the environmental, economic, social and psychological influences on consumer decision making and sustainable consumption. Course deals with developing customer value propositions, and for marketing strategy development in branding, product-line offerings, pricing, retailing and distribution, and public policy.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 5600	Campus Sustainability	Uses campus as a setting to explore long-term environmental, economic, and social sustainability theory and practice. Students design and implement a semester-long project to improve sustainability of the UW campus. This interdisciplinary course is appropriate for students of all disciplines. Dual listed with ENR 4600; cross listed with MKT 5600.

Courses with Sustainability (Graduate)				
College	Department	Course Code	Title	Brief Description
College of Agriculture and Natural Resources	Plant Sciences	PLNT 5120	Organic Food Production	Examines ways to use environmentally friendly methods to reduce chemical, petroleum and synthetic inputs for more sustainable crop and livestock agricultural systems.
College of Agriculture and Natural Resources	Plant Sciences	PLNT 5700	Forage Crop Science	Includes discussion of sustainable agriculture and alternative use.
College of Agriculture and Natural Resources	Soil Science	SOIL 5140	Soil Microbiology	Discusses environmental contamination and its effects on soil microbiology.
College of Agriculture and Natural Resources	Family and Consumer Sciences	FCSC 5188	Interior Design II	Explores ideas of sustainable, accessible and functional design for the public.
College of Agriculture and Natural Resources	Plant Sciences	PLNT 5120	Organic Food Production	Discusses concepts for using environmentally friendly methods to reduce chemical, petroleum and synthetic inputs for more sustainable crop and livestock agricultural systems.
College of Agriculture and Natural Resources	Pathobiology	PATB 5240	Disease Ecology	Includes discussion of the environmental affect patterns and processes of disease, as well as conservation biology.
College of Agriculture and Natural Resources	Microbiology	MICR 5140	Soil Microbiology	Discusses environmental contamination and its effects on soil microbiology.
College of Arts and Sciences	Anthropology	ANTH 5310	Environmental Anthropology	Addresses how human societies interact with their surroundings, emphasizing cultural understanding of the environment and problems that face the American West from global environmental change.
College of Arts and Sciences	Geography	GEOG 5330	Land Use Planning	Examines the interaction of environmental, economic and social factors that produce land activity.

College of Arts and Sciences	Geography	GEOG 5440	Advanced Global Climate Variability	Topics include discussion of the variation of climate and how this can have major environmental and societal impacts to ecosystems.
College of Arts and Sciences	Geology and Geophysics	GEOL 5321	Engineering and Environment Geophysics	Discussion includes applications of geophysical measurement techniques to engineering and environmental problems.
College of Arts and Sciences	International Studies	INST 5375	Transitional Justice	Uses case studies to examine types of transitional justice interventions in gross human rights violations and peace building.
College of Arts and Sciences	International Studies	INST 5455	Energy Security	Evaluates issues surrounding energy insecurity, climate security, and the future of fossil fuels and alternative energies.
College of Arts and Sciences	International Studies	INST 5590	Sustainable Business Practices	A look at business practice today through a lens of sustainability. Includes how sustainability may be embedded within corporate strategy.
College of Arts and Sciences	Political Science	POLS 5051	Environmental Politics	Analyzes environmentalism as a political phenomenon and the impacts of environmental issues on the formulation and implementation of laws, policies and regulations.
College of Arts and Sciences	Political Science	POLS 5455	Energy Security	Evaluates issues surrounding energy insecurity, climate security, and the future of fossil fuels and alternative energies.
College of Arts and Sciences	Zoology	ZOO 5650	Tropical Field Ecology Ecuador	A 10-day field course in Ecuador in January accompanied by weekly lectures that focus on ecology, biodiversity and the conservation of various species.
College of Business	Economics	ECON 5400	Advanced Resource and Environmental Economics	An analysis of resource development and environmental change. Includes discussion of public policy issues concerning the environment.
College of Business	Economics	ECON 5410	Seminar in Advanced Resource and Environmental Economics	Topics include land use, forestry, resources management under uncertainty, and sustainable development.
College of Business	Master of Business Administration	MBAM 5303	International Business	Predominant themes are leadership and sustainability in business.
College of Business	Master of Business Administration	MBAM 5501	Energy Economics and Policy	Overviews the major energy and environmental policy issues facing the United States and the world.
College of Education	Counseling	CNSL 5125	School Counseling II	Focuses on skills and experiences related to equity and social justice for systemic change, as related to the role of a student counselor.
College of Education	Counseling	CNSL 5130	Mental Health Counseling	Discusses ethics, diversity and social justice as related to mental health and the work of student counselors.
College of Education	Counseling	CNSL 5150	Mental Health Counseling II	Elaborates on the role of student counselors relating to social justice and supporting client advocacy.
College of Education	Higher Education	HIED 5680	Issues in Higher Education	Uses historical foundations and current trends to analyze topics such as governance, international needs, and access and equity in higher education.
College of Education	Educational Leadership	EDAD 5050	Leadership for Democratic Schools	Topics include democratic educational practices, ethical leadership in urban, suburban and rural communities, and in ethnically and socio-economically diverse settings.
College of Engineering and Applied Sciences	Atmospheric Science	ATSC 5040	Climate Science and Climate Change	Explores global climate system components and their interactions, as well as natural and anthropogenic drivers of climate change.
College of Engineering and Applied Sciences	Chemical Engineering	CHE 5100	Biochemical Engineering	Applies chemical engineering principles to the analysis and design of biological processes widely used in the environmental remediation industry.
College of Engineering and Applied Sciences	Civil Engineering	CE 5321	Engineering and Environment Geophysics	Includes discussion of applications of geophysical measurements to engineering and environmental problems.
College of Engineering and Applied Sciences	Civil Engineering	CE 5435	Environmental Transport Processes	Explores applications of mass transport to environmental systems, including applications in water and wastewater treatment and groundwater pollution.
College of Health Sciences	Health Education	HLED 5020	Food, Health, and Justice	Students critically assess practices and potential strategies for creating alternative food systems that support health and equity, particularly at the U.S. community level.
College of Health Sciences	Human Medicine	HM 6615	Ecology of Health and Medicine Foundations	Focuses on core concepts needed for clinical practice in the changing healthcare environment. Includes discussion of diversity, health equity and ethics as related to humanism in medicine.
Interdisciplinary Programs	Ecology	ECOL 5650	Tropical Field Ecology Ecuador	Course includes 10 days in Ecuador, and focuses on ecology, biodiversity, and conservation of tropical forests and behavior ecology of birds and mammals.
College of Law	Law	LAW 6660	Environmental Law	Provides an overview of the field of environmental law, emphasizing major federal environmental statutes and their approaches to environmental protection.
College of Law	Law	LAW 6860	Water Rights and Policy	Includes discussion of the effects of environmental laws on water allocation and the exercise of water rights.

Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 5000	Approaches to Environment and Natural Resources Problem-Solving	Explores important environmental policy and the integration of diverse disciplines in the study and resolution of complex environment and natural resource challenges.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 5750	ENR Law and Policy	Explores the policy underpinnings of environmental and natural resource issues and the legal responses to these problems.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 5900	ENR Policy in Practice	Encompasses student resolution in multidisciplinary teams of environmental and natural resource problems and issues.
Helga Otto Haub School of Environment and Natural Resources	Environment and Natural Resources	ENR 5950	Leadership in Natural Resources Management	Teaches Wyoming Conservation Corps leaders how to confidently lead groups of students on conservation-oriented service projects on Wyoming's public lands during the summer months.