

**Inventory of Sustainability-Focused and Sustainability-Related Courses
West Chester University of Pennsylvania
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WCUPA Office of Sustainability

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This is the Spring 2020 inventory of courses taught at WCU that are either sustainability-focused or sustainability-inclusive. A survey was distributed to all university faculty members in the Fall 2019 semester asking them to identify and describe courses they taught during the Fall 2018 semester and the Spring and Summer semesters of 2019 that fell under the definitions provided for sustainability-focused or sustainability-inclusive.

For the purposes of this inventory, instructors identified their courses as **sustainability-focused** or **sustainability-inclusive** using the definitions below:

- A **sustainability-focused course** is one in which the main goals and objectives include environmental, social or economic sustainability.
- A **sustainability-inclusive course** is one in which environmental, social or economic sustainability is addressed, but not included in the main goals and objectives of the course.

With responses from over 250 faculty members to the campus-wide survey, we can document the total courses, the level of those courses, and total academic departments for both sustainability-focused and sustainability-inclusive:

Heading	Response
Total number of undergraduate courses offered by the institution	1809
Number of undergraduate courses offered that are sustainability-focused	47
Number of undergraduate courses offered that are sustainability-inclusive	123
Total number of graduate courses offered by the institution	777
Number of graduate courses offered that are sustainability-focused	3
Number of graduate courses offered that are sustainability-inclusive	22
Total number of academic departments that offer courses (at any level)	51
Number of academic departments with sustainability course offerings	44
A copy of the institution's inventory of its sustainability course offerings and descriptions (upload)	Please see table below for details
Do the figures reported above cover one, two, or three academic years?	One Academic Year
A brief description of the methodology used to complete the course inventory (i.e., how the total number of courses offered was determined and how sustainability course offerings were identified, including the definitions used and the process for reviewing and/or validating the course inventory)	A task force of two WCU faculty members, the Director of the Office of Sustainability and the Graduate Assistant for Data Monitoring and Analysis developed a 13 question survey distributed electronically to all full- and part-time WCU faculty to obtain detailed information on their teaching, research, and service activities that were, in the 2018-19 Academic Year, sustainability-focused or sustainability-inclusive. The survey was released in mid-September 2019 and was open for responses until mid-November 2019. Announcements were sent via the Provost's office, with reminder requests distributed by the Office of Sustainability. The definitions for the terms used were these: "A sustainability-focused course is one in which the main goals and objectives include environmental, social or economic sustainability. A sustainability-inclusive course is one in which environmental, social or economic sustainability is addressed, but not included in the main goals and objectives of the course." The Office of Sustainability analyzed the data, comparing responses to entries in the university's official course catalogue.
How were courses with multiple offerings or sections counted for the figures reported above?	Each course was counted as a single course regardless of the number of offerings or sections
Website URL where information about the sustainability course offerings is available	https://www.wcupa.edu/Sustainability/education.aspx
Additional documentation to support the submission (upload)	This will be a pdf file with the full inventory that you are working on now.
Data source(s) and notes about the submission	
Contact information for a responsible party (an employee who can respond to questions regarding the data once it is submitted and available to the public)	Dr. Bradley Flamm, Director Phone: (610) 436-2053 Email: bflamm@wcupa.edu

List of Sustainability Focused Courses:

Course Number	Course Name	Department	Level	Course Description
ANT/NTD277	Sustainable Food Systems	Anthropology/Nutrition	UG	This interdisciplinary course is one of the only classes to be co-instructed across colleges. One instructor is an anthropologist and the other is a dietician from the department of nutrition. We examine sustainability, ethics, and the differences between the industrial and local food systems. Guest lectures and fieldtrips, as well as ethnographic journaling, enhance the experience.
ANT375	Ethnographic Field School: Sustainable Food and Cultural Heritage	Anthropology	UG	Ethnographic Field School: Sustainable Food and Cultural Heritage in Perugia, Italy. This 5 week course examines the ways in which small-scale, sustainable food activists in and around the small city of Perugia, in Umbria, utilize idioms and practices of sustainability and heritage to negotiate the tensions in a changing Italian society brought about by changing social and gender norms, Italy's growing embrace of the global industrial food system, and changing demographics brought about by migration from North Africa and East Asia. This is a research-intensive course in which students conduct qualitative research; many present their findings at research day (last research day 4 presented posters and 1 an oral presentation; all received the Brandywine designation).
BIO414	Industrial Microbiology	Biology	UG	This class will trace the historical and current applications of microbiology in industry throughout society. Topics covered include sustainable design, microbiological safety, process and equipment design, fermentation, sustainable waste treatment and composting, pharmaceuticals probiotics and bio-prospecting, bioenergy and food production. Upon completion, students will have a solid understanding of the many important roles microorganisms play in modern society.
BIO415	Tropical Ecology and Conservation	Biology	UG	This course will explore the ecology of the many biomes that comprise the tropics, including tropical wet, dry, and cloud forests, savannas, grasslands, and deserts. We will also study the ecology of tropical oceans and freshwater systems. Our study of tropical ecology will focus on interactions between biotic (ecosystem structure, plants, animals) and abiotic (climate, soils, nutrient cycling) ecosystem features. Students will also become familiar with a suite of contemporary conservation issues affecting tropical regions. Throughout the course we will draw on multiple fields of study including landscape, ecosystem, wildlife, and community ecology to enhance our understanding of tropical ecology and conservation.

BIO435	Course Topics in Biology: Tropical Biology of Costa Rica	Biology	UG	This course will explore aspects of tropical biology from a primarily field-based perspective, though the course will also incorporate structured lecture and discussions. Students will learn about lowland tropical rainforest ecology, Costa Rica's progressive environmental initiatives, and the Sarapiquí region's land-use history. While traveling, students will spend significant time in lowland tropical rainforests, meet with local scientists, and learn about ecologically-sound agricultural practices, coffee and chocolate production systems, and genetic/species diversity in tropical crop species. Note that field and classroom activities will typically require 10+ hours of student time per day during the trip.
BIO474	Bioenergy	Biology	B	Theory and application of modern microbial ecology. Lectures will focus on topics such as microbial communities, interactions with other organisms, biogeochemistry, and biotechnology.
CRJ110	Introduction to Criminal Justice	Criminal Justice	UG	This course is designed to describe the criminal justice system from arrest through trial, appeal, sentencing, corrections, and parole. The object of this course is to provide the student with a procedural framework of the criminal justice process.
CRJ304	Comparative Criminal Justice Systems	Criminal Justice	UG	This course explores other systems of criminal justice found in divergent and dissimilar cultures. The focus of interest will be on the historical, political, cultural, and sociological factors that influence the development of systems of justice. The course will examine and compare the status of the common, civil, socialist, and Islamic legal traditions.
CRJ362	Drugs, Crime and Justice	Criminal Justice	UG	This course examines the role that drugs play in U.S. society and its criminal justice system. Topics covered include the types of illegal drugs; the history of U.S. drug prohibition; patterns, trends, and scope of illicit drug use; the relationship between drugs and crime; criminal justice policies toward drug-related crime; the consequences of current anti-drug policies, and alternative strategies for reducing drug crime.
CRJ440	Violent Crime	Criminal Justice	UG	Examines the role of social and economic factors which may contribute to violent behavior.
ECO111	Principles of Economics (Macro)	Economics and Finance	UG	In this course, we focus on understanding how the economy as a whole functions, establishing the difference between long-term economic growth and short-run economic fluctuations due to the business cycle (and understanding the causes/underlying mechanics of each), the benefits of trade and the mechanisms that create those benefits, understanding in detail the three key macroeconomic indicators (GDP, unemployment, and prices/inflation), understanding how to use those three key macroeconomic indicators to assess the economy's overall economic health, and how to use (and critique) macroeconomic policy as a means to alleviate both short-run and long-run problems faced by the economy at large. The course largely focuses on economic sustainability, though many topics also touch on environmental and (especially) social sustainability.

ECO385	Environmental and Resource Economics	Economics and Finance	UG	We broadly study the intersection of environmental issues and economic contexts, largely based around the many natural causes of market failure and how both private and public (i.e., government) intervention can solve these issues. Topics include market efficiency/market failure, the equity-efficiency tradeoff, public goods, common-pool resources, positive and negative externalities -- including a special focus on the problem and solutions regarding the negative externality of pollution, including the issues of multiple emitters, nonpoint source pollution, and more -- valuation of environmental resources, nonrenewable resource use, and renewable resource use. Additional topics, chosen by student vote, encompass the remainder of the semester. Those topics include the electricity market/energy sector, measuring the value of a statistical life (VSL), climate change, environmental cleanup/Superfund sites, hedonic pricing methods, environmental conservation, the EV/CV disparity, game theory, and behavioral economics. Nearly every facet of this course touches on sustainability in a large way, including economic, environmental, and social sustainability.
EDO500	Environmental and Sustainability Education: History, Theory, and Practice	Educational Foundations and Policy Studies	B	Advanced overview of the development of environmental and sustainability education with emphasis on theoretical perspectives and professional applications. Overview: This course is intended as an advanced overview to the fields of environmental and sustainability education. Students will examine historical antecedents, including nature-study, and outdoor education, as well as philosophies and methodologies appropriate for a basic understanding of environmental and sustainability education, with emphasis on school and other field-based applications.
EDO520	Outdoor and Place-Based Education	Educational Foundations and Policy Studies	B	School and organization-based applications of outdoor and place-based education, with emphases on experiential and authentic learning.
EDO555	The Sustainable Campus	Educational Foundations and Policy Studies	G	This course will provide future student affairs educators and higher education practitioners with an overview on sustainability as it relates to college and university campuses. Students will examine topics such as campus ecology, and environmental, human and economic sustainability. Student will learn how to develop and implement programs, plans and policies to create a more sustainable campus now and for the future. "
ENV102	Humans and the Environment	Health	UG	A study of the ability of humans to survive and maintain their life quality considering the limited resources and recycling capacity of planet Earth
ESS102	Humans and the Environment	Earth and Space Sciences	UG	Course takes a broad systems perspective that includes the sustainability of all planetary systems, not just human ones (which are the focus of the UN development goals). Its interdisciplinary perspectives (Gen Ed 'I' course) includes natural science, education, and economics as key foci.

ESS130	Our Ocean	Earth and Space Sciences	UG	Approved WCU General Education course that explores our ocean (oceanography), including the coastal area that is most influential to our community. The course begins with an overview of earth and ocean, and the history of earth. It will cover 4 areas of oceanographic research area – physical, chemical, biological and geological oceanography (aka marine biology and marine geology). Also, the climate change and sustainability with respect to oceanography perspective are discussed.
ESS330	Introduction to Oceanography	Earth and Space Sciences	UG	An introductory oceanography course that explores 4 areas of oceanographic research area – physical, chemical, biological and geological oceanography. It covers the climate change, pollutions in ocean, and sustainability topics in both lecture and lab classes.
ESS332/532	Advanced Oceanography	Earth and Space Sciences	B	An advanced course in oceanography covering resources, oceanographic literature, animal-sediment relationships, field techniques, estuaries, salt marshes, sea level changes, and pollution. Sustainability concept along with earth system perspective is the core of the course over the semester.
GEO205	Geography of Agriculture, Food and Sustainability	Geography and Planning	UG	Human beings eat food daily and this necessity has led to conversion of half of the Earth's land surface to agricultural use. This course introduces students to the spatial patterns of agricultural systems on the planet, the physical geography related to them. Students will investigate the impacts of modern agriculture on the environment, and human culture and health. This will be followed by an introduction to sustainable alternatives including local small scale organic agriculture, urban gardening, and resilient diverse food cropping systems. Students will choose a region of the world to study sustainable agricultural systems and prepare a regional food dish to share with the class.
GEO230	Environmental Conservation and Sustainability	Geography and Planning	UG	An inquiry into the problems of resources protection, management and sustainability. Emphasis is placed on the United States.
GEO334	Sustainable Living	Geography and Planning	UG	Sustainable Living, Geography & Planning. This “Sustainable Living” course will address practical solutions and innovative thinking in how students can adopt a more sustainable lifestyle personally and professionally. Three interconnected objectives of sustainability, economic vitality, environmental integrity, and social equity will serve as core themes in the course.
GEO336/536	Environmental Planning	Geography and Planning	B	GEO336/536: Environmental Planning, Geography & Planning. In this course, we will explore the concepts, components, practices, and tools of environmental planning and management. We will primarily emphasize applications to local and regional environmental planning and management issues in the U.S., although we will also address the international context for such global issues as sustainable development, species extinction, and landscape preservation.

HEA645	Global Health	Health	G	The course will provide an overview of the main concepts involved in global community health promotion and program planning for global health. Students will be provided with an overview of the basic principles of global health promotion; how to measure a country's health status and resources; cultural, economic and environmental influences on health; how to use existing data resources to analyze global health, the multiple links between health and equity, health and the economy, health and the environment, health disparities among low-income countries; the tools needed to develop an assessment of a country's health problems and an intervention plan with solutions to address those health problems; and key actors in global community health. Students will analyze a country's community health by developing a comprehensive plan for a community health promotion program. The course will use multiple teaching strategies, group interaction, case studies, global health promotion plans, and web-based global health materials.
HON314	Science, Technology, and Environmental Systems	Honors	UG	An integral exploration of science, technology, and environmental systems in relation to environmental sustainability, with emphasis on agriculture, food systems, and the professions.
HRM606	Ethics, Social Responsibility and Sustainability in HRM	Management	G	Introduces students to management theories and practical tools related to ethical decision-making in organizations. Challenges students to consider the ethical dimension of human resource management, including the obligations of organizations to their stakeholders and current issues related to fair, ethical and humane treatment of employees."
PHI200	Intro to Peace and Conflict Studies	Philosophy	UG	Introduction to Peace and Conflict Studies is an interdisciplinary inquiry into the nature and causes of social conflict. The aim throughout is to find ways of avoiding destructive conflict, whether through negotiation or other means. The issue of justice as a factor in conflict receives special attention. Approved interdisciplinary course.
PHI201	Global Perspectives	Philosophy	UG	Peacebuilding and conflict transformation are engaged personally, locally, regionally, and globally. Global Perspectives in Peace and Justice examines global issues of social justice, reconciliation, and peacemaking with an emphasis in postcolonial resistance, political violence, economic justice, ethnic conflicts, international human rights, and global environmental concerns. The course utilizes theories from Peace and Conflict Studies with emphasis on post-colonial discourse, feminist theory, critical race theory, conflict transformation, and global peacemaking. "
PHI451/551	Religion and Ecology	Philosophy	B	This course explores contemporary environmental issues from the perspectives of different religious traditions through a postcolonial interreligious lens.
PHI480	Environmental Ethics	Philosophy	UG	This course examines the human relationship to the natural world and what kinds of moral and social obligations we have to other beings and the earth.

PLN301	Planning History, Theory and Ethics	Geography and Planning	UG	Planning theory is crucial to understanding how planners make decisions. This course takes an in-depth look at various planning theories including comprehensive, incremental, mixed scanning, advocacy, equity, and radical approaches to planning. We examine the history and evolution of planning, planning within a democracy, how planning influences society, new directions within the field including sustainability, and finally the relationship between planning theory and planning practice. As a result, it will enable students to critically understand the purpose and contribution of planning within society as well as the role of the planner including the issues of planning ethics, professional standards and conduct, and principles of the American Institute of Certified Planners (AICP) Code of Ethics."
PSC354	Environmental Politics and Policy	Political Science	UG	In this course, we discuss environmental policymaking at the local, state, national, and international levels. We also discuss how we conceptualize the environment, the roles values play in shaping our attitudes and policies, and the role science should and does play in policymaking. The course also includes field trips to provide deeper dives into specific topics. Field trips have included: the regional recycling center ran by Republic Services; toxic waste sites contributing to environmental racism and injustice in Chester, PA; the Kimberton CSA and Seven Stars Dairy, both organic and biodynamic farms; and campus venues including the campus gardens. "
PSY200	Positive Psychology	Psychology	UG	Positive Psychology is an introduction to psychological perspectives that place an emphasis on positive emotional states including: happiness, joy, resilience, compassion, and forgiveness. We examine a variety of topics and their relationship to subjective well-being including: positive coping, optimism, interpersonal relationships, spirituality, creativity and achievement. We discuss the effect of physical health on mental health and vice versa.
PSY362	history and systems	Psychology	UG	This course focuses on a broad historical focus of the development of philosophy (thoughts, values, beliefs) about people, a way of life, well-being, and social matters.
PSY400	multicultural psychology	Psychology	UG	This seminar focuses on well-being and social inclusion and social inequality, discrimination, stress, among diverse populations. "
PSY441	Field Experience in Psychology I	Psychology	UG	A work-study program in an educational, business, or mental health facility under joint supervision of the instructor and the staff psychologist of the field institution.
PSY442	Field Experience in Psychology II	Psychology	UG	Continuation of 441. A work-study program in an educational, business, or mental health facility under joint supervision of the instructor and the staff psychologist of the field institution.

SOC245	Environmental Sociology	Sociology	UG	Human society is currently threatening the environmental resources necessary to maintain life on Earth. This course unravels the deeper roots of our environmental crises and investigates potential ethical solutions from a domestic and global perspective. Through lecture, films, and discussion we will focus on the interplay between social theories, social structure, social institutions, social inequality, social stratification, and the environment. Themes in this course will emphasize how culture shapes environmental processes and everyday life; articulate demographic theoretical perspectives of population growth; examine the social structure of society to better understand the social dynamics of sustainability; analyze environmental inequality along the bases of social class, gender, and race/ethnicity; and explore ethical, sustainability-related decision-making within a societal context. This course is an introduction to the field, suitable for both majors and non-majors with interest in sustainability and society.
SWO395	Junior Seminar	Social Work	UG	Junior and Senior Seminar bring theory and practice together as we apply the generalist intervention model to our work with students. "
SWO432	Advanced Social Welfare Policy	Social Work	UG	Students are taught the concept of policy practice or how to develop, influence and implement social policy in their social work practice. The course utilizes the UN Sustainable Development Goals as a framework to examine the means needed to bring our influence to bear in humanizing policies and services for people and to make professionals more responsive to the critical problems that face our communities and agencies. Students learn about organizational and social change and strategies that can be used to influence and implement policy."
SWO496	Senior Seminar	Social Work	UG	This course teaches advanced practice theory to students studying to do social work practice with a variety of community agencies serving persons who are dealing with poverty, health and well being, school education, gender equality, economic equality and growth, and peace and justice.
WOS250	Women Self Representation	Women's and Gender Studies	UG	This course provides a multi-media approach to ways women represent their identities, their bodies, and their power to reject or revise representations that increase gender inequality.
WOS310	Women's Activism	Women's and Gender Studies	UG	This course focuses specifically upon women and feminist activists in the United States and their resistance to structural inequalities based upon gender. In addition to social justice movements focused on sexism, this course uses intersectional theory to recognize the feminist value of women and feminists who work against racial, economic, sexual, and other oppressions. We will thereby challenge the commonplace idea that feminist activism has come in waves and only concerns a small homogenous group of women focused on a narrow set of issues and tactics."

WOS315	Women of the Global South	Women's and Gender Studies	UG	Even though the course title and the catalog say that this course is about women of the global south, the focus of the course is little different. This course examines forces of globalization, and environmental and ethical issues. The process of globalization (trade, communication technology, migration) has contributed to widening inequality within and among countries. Multinational corporations employ vulnerable people (especially women of color) for cheap labor, exploit local resources, and contribute to environmental degradation. Since the planet has its limitations, attending to the conservation of natural (and limited) resources, climate change, sustainable agriculture and forestry practices, and just fair-trade practices are at the heart of environmental and ethical issues and sustainability efforts. In this course, students will explore the social and environmental justice issues related to consumption of resources central to environmental ethics and sustainability. Students will also examine their ecological/carbon footprint and ways to reduce it through changes in the consumption of energy, resources, food, and water."
WOS325	TransFeminist Theory	Women's and Gender Studies	UG	This course will explore the emergence of transfeminist theory as a field, as well as some of the key debates in the ongoing development of trans theory. Understanding systems of oppression are central to this academic pursuit, and focusing specifically on feminist iterations of trans theory will help focus and ground our research. Furthermore, students will apply theoretical frameworks about trans subjectivity to contemporary issuesâ€”to understand how these stories are being told, as well as to understand whose stories get told and whose donâ€™t
WOS385	Feminist Theory	Women's and Gender Studies	UG	This course will ask you to engage with major trends in feminist theory and philosophy, and will also introduce you to key feminist thinkers. The course invites us to think about how feminist theories continually shape, inform, and influence the ways we engage in contemporary feminist modes of inquiry. It is designed to help you develop a critical theoretical framework for thinking about questions relating to sex, gender, sexuality, race, disability, feminism, and economy, among other things. It is also designed to help you engage with and understand theories that explain how power moves, functions, and how it is constructed and institutionalized â€” in our relationships, in our families (broadly defined), in our schools and workplaces, and in our culture
WOS410	Capstone	Women's and Gender Studies	UG	This course helps students put theory into practice through an in-depth study of intersectionality theory, feminist methodologies, and praxis. "
WRT220	Critical Writing: Sustainability	English	UG	The second gen ed writing course that focuses on research. Students research sustainability in their fields of interest and also collaborate on doing a life-cycle analysis of a product/item.
YES300	Youth Empowerment and the Urban Context-	English	UG	Students in this course will partner with urban youth through organizations in the city of Philadelphia, and study the history of organizing as an educational and empowerment tool. Anti-poverty work is central to the course."

List of Sustainability Inclusive Courses:

Course Number	Course Name	Department	Level	Course Description
ANT/PSY230	Intro to Primatology	Anthropology and Sociology and Psychology	UG	This course covers topics that include anthropogenic effects on the environment and primate conservation."
ANT102	Intro to Cultural Anthropology	Anthropology	UG	This course covers topics that include the social effects of poverty, gender inequality, consumerism, and clean water and sanitation.
ANT328	Cultural Heritage	Anthropology	UG	
ART206	Drawing II	Art + DESIGN	UG	This second-level drawing course will apply practical and technical drawing skills to more ambitious and personal projects. Students will continue to advance their perceptual drawing knowledge through careful demonstrations and individual instruction. An exploration of scale, principles and techniques of pictorial composition including perspective, line, proportion and sources of imagery. Coursework will build upon students' previous knowledge of various drawing media, color, surfaces and ground treatments. Several projects will incorporate sustainability-related content to develop students' visual responses to critical research, with relation to the social, environmental and political aspects of sustainability.
ART217	Painting II	Art + DESIGN	UG	An exploration of both traditional and alternative techniques and materials of painting through an active focus on contemporary and historical painting practices. Students will immerse themselves in the creative process as they develop individual conceptual goals and a personal aesthetic in a course designed to provide the groundwork for a depth of understanding and meaningful connection to the practice of painting.
ART350	Global Art + Design	Art + Design	UG	Two week integrated study abroad program created for Graphic + Interactive Design and Anthropology students to further their academic achievements, develop intercultural understandings and acquire life skills in a global setting.
BIO217	General Zoology	Biology	UG	Situated in a prime Scandinavian region, students explored the cultural impact of the ideas of mid-20th century "Scandinavian design" and applied the "less is more" principles to an interactive exhibit that explored Denmark's current status as leaders of sustainable initiatives. Informed by their unique history and cultural traditions Denmark is designing for "not reacting to" the current climate crisis. As an innovator in the fields of sustainability, architecture, and positive psychology, Denmark offered a variety of unique experiences and stories for the students to explore and share.

BIO270	Ecology	Biology	UG	For the culminating project students collaborated and fabricated on an immersive exhibit: ""Copenhagen, Sustainable by Design"" on display in the WCU Knauer Gallery from Oct 1-Nov1. "
BIO315	Terrestrial Ecosystem Ecology	Biology	UG	In this course you will learn how materials and energy are transferred into, within, and out of terrestrial ecosystems. Particular emphasis will be placed on how carbon, water, and nutrients cycle through ecosystems. Knowledge of ecosystem ecology is essential to biologists because it links biotic elements of the environment (including humans) with underlying physical processes, providing a thorough understanding of ecosystem function. Once you have gained an understanding of interactions between biotic and abiotic ecosystem components, you will better comprehend ecosystem threats posed by anthropogenic disturbances, including climate change.
BIO468	Comparative Vertebrate Physiology	Biology	UG	Comparative physiology of fishes, amphibians, reptiles, birds and mammals, with emphasis on organ-based homeostatic regulatory mechanisms.
CHE341	Introduction to Physical Chemistry	Chemistry	UG	An introduction to thermodynamics, chemical equilibrium, application of thermodynamics to energy systems, transport phenomena, chemical kinetics, and mechanisms of chemical, electrochemical and photochemical systems
CHE342	Advanced Physical Chemistry	Chemistry	UG	An introduction to the fundamentals of quantum mechanics and its applications to model and chemical systems. Study of light-matter interactions as the basis for understanding spectroscopy, chemical dynamics and photochemistry from femtochemistry to photosynthesis."
COM399	Independent Study (Corporate Social Responsibility)	Communication Studies	UG	This independent study will explore the topic of consulting in organizations related to corporate social responsibility. The student will explore key texts and complete written assignments reacting to readings and the practice of consulting and CSR."
COM508	Corporate Social Responsibility	Communication Studies	G	A comprehensive examination Corporate Social Responsibility as related to organizational communication and organizational reputation.
CRJ210	Theories of Crime and Delinquency	Criminal Justice	UG	This course is a survey of the historical and contemporary attempts to explain the phenomena of crime and criminal behavior from the perspectives of sociology, psychology, economics, biology, and law. Emphasis will be placed on contemporary theory and the analysis of evidence supportive of various theoretical positions.

CRJ318	Environmental Crime	Criminal Justice	UG	This course is an examination of crimes against the environment and crimes that impact the environment. The history of environmental crime, its investigation, and its prosecution will be studied, as well as most current developments in this area of study. The course will also address the global impact of and response to environmental crime.
CRJ325	Animal Cruelty	Criminal Justice	UG	This course is designed to provide intensive examination of the relationship between animal cruelty and the criminal justice system. It will cover the commission of animal cruelty within circumstances such as child abuse, interpersonal violence, and juvenile delinquency. The goal of the course is to offer students an understanding of the impact that animal cruelty has on society and the criminal justice system.
CRJ455	Topical Seminar in Criminal Justice	Criminal Justice	UG	Intensive examination of a selected area of study in the field of criminal justice. Topics will be announced at the time of offering. Course may be taken more than once when different topics are presented.
CRJ522	Corporate and Financial Crime	Criminal Justice	G	This course facilitates the study of complex and significant areas of economic crime, better known as ""white collar crime"". Examples of these types of crimes include: insider trading, fraud against the government, corruption of public funds by elected or appointed officials, bid rigging, and unethical industry practices such as ""off-labeling"" of pharmaceuticals. Basic statutory laws, including the Sherman Anti-Trust Act, will be reviewed.
CRJ555	Topical Seminar: Environmental Offending	Criminal Justice	G	This course is an examination of crimes against the environment and crimes that impact the environment based on case studies. The history of environmental crime, its investigation, and its prosecution will be studied, as well as most current developments in this area of study. The course will also address the global impact of and response to environmental crime.

DAN300	Controversial Bodies: Visions of Beauty	Theater and Dance	UG	Controversial Bodies: Visions of Beauty will foster a discussion of bodily beauty across the multiples fields of theater, dance, history and sociology. In creating a course that holds these two physical markers, the body and beauty, at its core, a space can be filled within the university's curriculum where central to the course is the notion that the body is a social and cultural entity and that, markers of bodily beauty are constructed differently across various cultures and time periods. In particular, Controversial Bodies: Visions of Beauty, examines how figures in the performing arts have pulled the make-up of beauty in opposite directions, reinforcing or subverting the norms of what is socially and politically acceptable, playing with nudity, androgyny and ugliness, and rewriting the markers of beauty in terms of race, gender, age and bodily type.
DAN380	Cuban Rumba: Cultural Identity	Theater and Dance	UG	This course is a theory and practice course, designed for students interested in exploring the layered social and cultural history of Cuba, through the lens of its national dance, the rumba. Cuban rumba is made up of three different dances: guaguanco, yambu, and columbia; which this course will focus on embodying, while simultaneously examining its history and place within society. Inside the theoretical conversations, the focus will shift and build from its African and Spanish lineage to social repression on the island, architecture as a container for community and performance, gender agency, and cultural identity appropriation.
ECO112	Principles of Microeconomics	Economics and Finance	UG	Principles of Microeconomics, Department of Economics and Finance. Covers externalities (pollution) and policy remedies. Also covers inequality.
ECO334	Labor Economics	Economics and Finance	UG	This course explores the workings of and impacts of the labor market. Topics include an understanding of how the basic model of supply and demand operates within the context of the labor market (which is a largely unique market in this regard), discussing the effects of minimum wage laws on (un)employment, understanding the related markets for education and worker training, exploring the degree to which labor market discrimination exists in today's society and the impacts of such discrimination (on workers, firms, and society as a whole), the impact of immigration (both legal and illegal) on labor markets and the economy more broadly, and the history, role, and effects of labor unions in today's labor market. Many of these issues relate to economic and social sustainability, though there is little mention of environmental sustainability."
ECO370	The Economics of Health Care	Economics and Finance	UG	Covers health systems (access to care, quality of care, cost of care) as well as externalities such as pollution vs. clear air."

EDH520	Resource Management and Economic Policy in HEPSA	Educational Foundations and Policy Studies	G	This course NSG 334 (and the practicum course NSG 335) provides a framework for the development of nursing interventions promoting population and environmental health for individuals and communities. Determinants of health including lifestyle, environmental, cultural, and genetic factors will be analyzed using resources from national and community health organizations.
EDP250	Educational Psychology	Education	UG	A course in the professional education core for teacher preparation. It provides an overview of theory and research in educational psychology that emphasizes application in the classroom. The focus of the course is on "knowledge of the learner", so that you as a future educator can design your teaching to best facilitate learning for all students. This includes students from culturally diverse backgrounds, students with special needs, and ELL students.
EDP570	Cognition and Transformation	Education	G	Designed to provide an overview of educational psychology and developmental theories as they relate to critical pedagogy and education for transformation. Students will analyze, critique, and apply relevant theories from cognitive and developmental psychology, as well as related areas such as neuroscience, physiology, and sociology. Larger societal issues will also be considered, as they impact and/or are informed by principles of cognitive and developmental psychology. Students' research and written work in this course will contribute to their ongoing development of a master's level critical action research proposal."
EDR200	Literacy, Diversity, and Equity in K-12 Classrooms	Literacy	UG	Focuses on critical literacy pedagogies in K-12 classrooms, inclusive of literacy as a tool to understand sociopolitical issues and take action for a more just world.
EDR317AND318	Literacy Practicum	Literacy	UG	6 credit Literacy Practicum course. My section is located in Philadelphia and focuses on high quality, student-centered literacy education. Students are placed in classrooms where teachers are facilitating year-long student-led social change projects. This section has a strand of inquiry focused on educational equity and advocacy as a teacher. "
EDR345	Literacy Development and Students in Inclusive Classrooms	Literacy	UG	This course is designed to help students understand literacy acquisition and development for students with disabilities as defined in I.D.E.A. The course will focus on the challenges that reading and writing pose for students with disabilities and resulting appropriate assessment and instructional techniques. Content area literacy for students with disabilities will be addressed.

EDR519	Issues of Diversity in Literacy Education	Literacy	G	Issues of Diversity in Literacy Education, graduate students consider the role of the literacy professional as a school-based leader, advocate, and ally for diversity and equity. Students analyze a wide breadth and depth of issues that impact the literacy access and achievement of young people, with a specific focus on historically marginalized young people, their families, and their communities. While sustainability is not a core goal of the course, sustainability issues definitely intersect with equity issues in this course.
EDS411/412	Student Teaching	Secondary Ed	UG	EDS 411/412 urges student teachers in middle- and high school social studies classrooms to infuse issues of sustainability and connections to current climate change into all their classrooms, whether they're teaching ancient history or economics or psychology.
EGP/MGP410/411	Field Seminar for Student	Early and Middle Grades Educ.	UG	A semester long, full time field experience. The student teacher assumes increasing responsibility in the classroom, as demonstrated by effective methods for the planning, delivering, and reflecting on instruction. Weekly seminars are required. Field clearances required.
ENG194	ENG194: Conventions of Reading and Writing	English	UG	<p>Why do we read? Why do we write? How do we read? How do we write?</p> <p>These four questions will bookend our studies in English 194 this semester. We may think about these questions as narrowly or as broadly as we wish. The first two—“why we read and write”—are philosophical questions with answers that may vary with personal taste, just as the reasons why we do almost anything (our motives) and purposes may vary. Why do we privilege some works of literature and not others? Why do we value some forms of writing more than others? The second two questions are about method—“about conventions”—for doing reading and for doing writing. This begs others questions like: How do we read as literary critics and reviewers? How do we read rhetorically? How do we teach others about reading and writing? There are a variety of conventions from which we may draw as we read and as we write, but the conventions we choose are always already rooted in our motives for reading and writing. That is—“how we read and write is a product of why we read and write. Hence, the title of our course “Conventions of Reading and Writing” implicates us in more than just cataloguing literary and rhetorical methods for engaging with texts; this course implicates us more broadly in the work of scrutinizing language and its role in human life.</p>

ENG206	Black Critical Theory	English	UG	This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history and culture such as The Harlem Renaissance, The Realist/Protest Movement, The Civil Rights Era/Black Arts Movement, and The Feminist/Womanist Movement.
ENG295	Histories and Texts	English	UG	Includes a section that contextualizes Carson's "Silent Spring" and looks at its influence. This is a multi-section class, and so only my section(s) would include this unit.
ENG368	Business and Organizational Writing	English	UG	This writing intensive course examines the nature of communication and written genres within businesses and non-profit organizations. We also spend a large part of our semester reading about, writing about, discussing, and educating ourselves on the role of diversity and inclusion in the workplace, especially for BBIPOC."
ENG371	Technical Writing	English	UG	Instruction in the forms and techniques of written, oral, and visual communication currently practiced in the scientific and technical professions. A series of coordinated assignments leads to a final project in the student's field of professional study.
ENG391	Writing and Teaching Writing in the Middle Grades	English	UG	Instruction in the forms and techniques of written, oral, and visual communication currently practiced in the scientific and technical professions. A series of coordinated assignments leads to a final project in the student's field of professional study.
ENG400	research seminar: Comedy and Humor	English	UG	Includes a unit on environmental (usually climate change) humor. This is a multi-section class, and so only my section(s) would include this unit."
ENG550	History, Form, and Ideology	English	G	Second half of class is focused on works of environmental literature and film within their historical contexts: Abbey's "Monkey Wrench Gang," Gearhart's "Wanderground," and Disney's "Pocahontas." This is a multi-section class, and so only my section(s) would include this unit.
ESS101	Intro to Geology	Geology and Astronomy	UG	The earth's composition and history; the processes that occur on and within the earth.
ESS170	Introduction To Our Atmosphere	Geology and Astronomy	UG	Why is the sky blue? What will the weather be tomorrow? What makes tornadoes? How did the ozone hole develop? What is the greenhouse effect? This class will use these questions and others to investigate the basic physical processes that determine the weather and climate on earth.

ESS321/521	Geometrics	Earth and Space Sciences	B	Earth & Space Sciences, takes a data exploratory and data visualization approach to complexity in earth systems, and is an antidote to the relentlessly reductionist perspective of traditional science and statistics courses. Through increased awareness and the ability to see complexity in data, students become aware of unsustainable modes of data interpretation. Because part of the course content is purely geologic or technical I consider this course to include sustainability, not focus on it.
ESS336/536	Environmental Geology	Earth and Space Sciences	B	Earth & Space Sciences takes a systems perspective on aspects of earth systems accessible to study by geoscientists. Key study areas include hazards and risk, hydrologic systems and water resources, and energy resources and climate change. Because part of the course content is purely geologic or technical I consider this course to include sustainability, not focus on it.
ESS344	Climatic Geomorphology	Geology and Astronomy	B	A continuation of the study of earth surface processes. Interpretation of topographic maps and air photos.
ESS343	Geomorphology	Geology and Astronomy	B	Constructional and degradational forces that have shaped present landforms and are constantly reshaping and modifying landforms. Interpretation of geologic and topographic maps; field studies.
ESS547	ESS Seminar	Geology and Astronomy	G	Weekly seminar course featuring guest lectures by geoscience professionals, prominent scientists, faculty, and students. Each week students will read professional literature, attend and participate in the lecture, and write a summary and/or analysis of each seminar.
FYE100	First Year Experience	Marketing	UG	
FYX100	First-year Experience	Education Development Services	UG	This was the pilot of the FYE course. In both the large lecture, and the breakout discussion sections, my colleagues and I raised the sustainability issues. The issues are ideal for discussion in FYE because they are complex problems which cannot be resolved with the application of any single discipline. Thus, science obviously applies to the resolution of our plastics problem, but so do the humanities since effective cross-cultural communication and human behavior changes will be needed.
GEO101	World Geography	Geography and Planning	UG	World Geography, Geography & Planning. GEO101 is an introductory course in Geography; students do not need to have completed any previous coursework in geography. After successfully completing this course, students will understand the basic principles of geography and be able to apply those principles to the study of world regions. We will especially emphasize the environmental and human characteristics that make regions distinctive.

GEO102	Physical Geography	Geography and Planning	UG	The study of basic principles of physical geography and of relationships between components of the total earth environment.
GEO103	Human Geography	Geography and Planning	UG	The goal of the course is to provide you with an understanding of the basic principles of human geography and apply those principles to the study of global interactions. The course emphasizes the global physical environment focusing on the interaction of resources and cultural variables such as population patterns, language, religion, social customs, economic and political development.
GEO214	Intro to Planning	Geography and Planning	UG	This course provides an introduction to the principles, methods and practice of contemporary urban and regional planning. This course will cover a range of topics related to urban planning including: principles and theories of urban structure and institutions, concepts and logic of planning as a community process and a professional activity, the evolution of planning ideas in response to changing social, economic, and environmental conditions within the American political framework, and the complementary nature of public and private interests in the planning process. The course also introduces the major analytical procedures used by planners.
GEO302/544	Geography of Latin America	Geography and Planning	B	Central and South America are studied with emphasis on geographic understanding of the major sources of change in recent times. The course focuses on selected individual countries in addition to presentation of the region as a whole.
GEO316	Planning for Natural Disasters and Resilient Communities	Geography and Planning	B	This course provides students with the capacity to develop planning and public service skills to understand, diagnose and address causes, consequences, and mitigation and adaptation measures for a wide variety of disasters. These events include natural hazards, environmental catastrophes and events such as climate change and that are both rapid and slow moving with often devastating impacts on social structures and the built and natural environments. The course will draw extensively on cases to illustrate social vulnerabilities to natural hazards and climate change and focus on urban planning practices that help mitigate the impacts of various disasters in order to make resilient and sustainable communities.

GST110	Global Studies	Political Science	UG	GST 110 Global Studies Global Studies as a field interprets major global trends in a manner that is interdisciplinary, drawing on approaches that come from different fields of study. Global studies focuses on the transnational processes, issues, and topics that are key to understanding globalization. For this course, and as a starting point, we will formally employ perspectives and concepts from three disciplines: political science, economics, and sociology. However, this course will also draw upon a number of other disciplines “ culture and language, history and geography (time and space), as well as philosophy. This course welcomes various approaches and methods that contribute to a transnational analysis of the world as a single interactive system.
HEA110	Transcultural Health	Health	UG	HEA 110 focused on improving access to health care for minority groups, addressing health disparities and inequalities.
HEA632	Social and Behavioral Aspects of Public Health	Health	G	The purpose of this course is to provide a thorough discussion of the determinants of health-related behavior, health behavior theory (HBT), and how theory can be utilized in public health research and practice. The theoretical underpinnings of the most relevant explanation, planning, change and evaluation theories will be reviewed and illustrated with examples of the application of these models to health promotion and disease prevention with individuals, groups, and communities. Cultural and socioeconomic factors that influence the application of theory will also be discussed."
HIS152	History of US II	History	UG	Using the contemporary United States as a frame of reference, this course introduces students to the interrelated forces that have shaped the nation from 1865 to the present. In doing so it introduces students to historiography--how historians and the rest of us make sense of American history” and provides opportunities for the analysis of primary sources that represent competing worldviews, interpretations, and values.

HIS344	History of Pennsylvania	History	UG	This course explores the history of the Commonwealth from the arrival of its first human inhabitants to the present. Topics examined include human uses of the state's abundant natural resources and the environmental impact of those uses; the history and fate of Native Americans in Pennsylvania; European colonization and the establishment and decline of William Penn's "Holy Experiment"; the role of Pennsylvania and its citizens in the colonial and revolutionary eras; the state's economic, social, political, and cultural history from the 1700s to the present; and the enduring legacy of Penn's Holy Experiment, including the history of American pacifism, intentional religious communities, and the abolition, women's rights, and other reform movements.
HIS451	Women in America	Secondary Education	UG	HIS 451 focused on the history of activism towards women, gender, racial, class, and ability equality. We compared Climate Change activists' goals and methods with those of other movements over time.
HON212	Moral Choice in Technological Age	Honors College	UG	Survey of major ethical theories from ancient to contemporary [Blue River Declaration] as well as cross-cultural with areas such as environmental ethics, social justice, gender equality, distributive justice, deliberative communities, and the reduction of inequality included. Student collaborations to design non-profit organizations to address ethical problems, particularly those generated by new technologies.
HON311	Stewardship and Civic Engagement	Honors	UG	The purpose of the course is to expose students to the multi-disciplinary [Gen Ed Goal #4] methods and means of the American tradition of philanthropy, as well as quantitative mathematical [Gen Ed Goal #3] economic tools needed for social change. In addition to examining the relationship of power and organization to the change process, the course will explore the motivations for social action and philanthropy. Students will study both the theory and practice of change, including the nature of social responsibility and volunteerism, particularly as it relates to marginalized groups and underrepresented populations [Gen Ed Goal #5], tools entrepreneurs use to achieve change [Gen Ed Goal #3], development of resources to support change, and evaluation of competing ideas [Gen Ed Goal #2].
HON490	Capstone	Honors	UG	Overview of Service Learning: Leadership, Service, and Civic Engagement.

HRM602	Employment and labor	Management	G	Service-learning is about both serving and learning; thus, learning from the process is equally important to serving the community. A service-learning project must address an actual need in a specific community. The community should be given some opportunity to identify that need and shape the project, so that the project is welcomed and not perceived as patronizing. A service learning project should be sustainable and have a lasting impact on the community being served (for instance, by empowering members of that community to help themselves, by addressing the underlying causes of the need, and so on).
INB469-01	International Management Seminar	Management	UG	Study of issues confronting executives as they plan, organize, staff, and control a multinational organization. Lectures, case analyses, and outside projects with local firms engaged in, or entering, international business will be utilized.
JRN200	Introduction to Journalism	English	UG	Introduction to Journalism course focusing on current major areas of reporting many of which cover sustainability inclusive subjects.
JRN225	Newswriting	English	UG	Newswriting course in which students learn to write in various journalism genres and write on sustainability related issues.
JRN315	Magazine Article Writing	English	UG	Magazine article writing course in which student write feature articles many of them addressing sustainability related issues."
KIN246	Sport,Culture and Society	Kinesiology	UG	Current theories and research in the area of sport and society will be introduced. Focus of the course is interdisciplinary, incorporating sociological, psychological, historical, anthropological, philosophical, and economic perspectives. Topics include moral, ethical, racial, and gender issues in sport in relation to the North American culture.
MAT145	Calculus for the Life Sciences	Mathematics	UG	An overview of differential and integral calculus, motivated through biological problems. Topics include mathematical modeling with functions, limits, continuity, differentiation, optimization, and integration. Graphing calculators are used as an aid in the application of calculus concepts and methods to realistic biological problems.
MBA603	Global operations and supply chain management	Management	G	In our increasingly interconnected and interdependent global economy, the process of delivering finished goods, services, and supplied from one place to another is accomplished by means of mind-boggling technological innovation, clear new applications of old ideas, seemingly magical mathematics, powerful software, and old-fashioned concrete, steel, and muscle. This course is about doing this at low cost while meeting the requirements of demand customers. The goal of this course is to introduce you to basic operations and supply chain concepts so you understand how things should be done and the importance of these functions to the success of the firm.

MBA605	Business, Society and Environment	Management	G	This course focuses on how the business enterprise relates to, and is influenced by, social, political, technological, and cultural trends in the society in which the business organization operates. Many MBA courses are narrowly focused on a specific aspect of successfully operating a profitable business. This course widens the field of view to examine the large-scale societal forces which create the environment within which you will be managing your enterprise. This course takes the perspective that you cannot ignore these societal forces because they substantially shape the range of business strategies that you can deploy in your struggle to insure the long-term profitability --and indeed, survival--of your company."
MDC252	Media Writing	Communication	UG	This course provides a survey of mass media formats and writing techniques, including print, social media and public relations. This course is designed to enhance the appreciation for media professionals as well as provide an understanding of the basic techniques media writers use to inform and adapt their messages to a specific audience. The course discusses considerations of gender, inclusivity and equity as part of the discussion on media writers' responsibilities.
MDC253	Media Literacy	Communication	UG	Media literacy is a way of critically thinking about modern media: a way of analyzing media messages to gain control over them: understanding their economic, theoretical and ideological influences; mastering control over the psychological tricks embedded throughout modern technologies; and creating new messages as members of our social information society. In this course, we will explore the effects and influences of mass media and communication on us and in society to become increasingly media literate. The course discusses gender, race, socioeconomics, psychographics, etc. and their current and historical effects on modern culture."
MGT200	Principles of Management	Management	UG	Introduction to the principles and functions of management. Examines the management process, organizational theory, planning, decision making, motivation, and leadership in supervisory contexts.
MGT201	Legal Environment of Business	Management	UG	Examines the framework of the American legal system and its impact on the environment in which business operates. It also discusses the concepts of gender and racial discrimination in employment and gender discrimination in pay.
MGT313	Business and Society	Management	UG	Included diversity and sustainability of business situations. From recruiting to business ethics these topics were important to convey for the students future business endeavors. Decent work and economic growth are covered as part of these courses also.

MGT341	Operations and Product Management	Management	UG	MGT341, Production and Operations management, aims to provide all Business Administration graduates with an overview of operations and supply chain related activities in a firm. Operations are related to the process by which people, capital, and materials (inputs) are combined to produce these goods and services (outputs). While basic concepts, principles, and techniques of production and operations management are introduced, emphasis is given both to familiarization of various production processes and service systems and best practice in the industry (e.g. sustainability, technology, etc.).
MGT431	Human Resource Management	Management	UG	Included diversity and sustainability of business situations. From recruiting to business ethics these topics were important to convey for the students future business endeavors. Decent work and economic growth are covered as part of these courses also.
MGT433	Compensation	Management	UG	This course examines the development and implementation of compensation systems in organizations. Topics covered include compensation philosophies; economic and social factors affecting compensations plans; pay surveys; pay equity; and specific types of financial and non-financial compensation and benefits.
MGT498	Seminar in Management	Management	UG	Students are engaged in reading and research on current developments in management. Research project is required to help expand and deepen the horizons of the participants.
MKT250	Principles of Marketing	Business	UG	This course facilitates an understanding of key marketing strategy concepts and frameworks in order to engage effectively cross-functionally, globally, and in diverse environments, to keep markets and their unique needs top-of-mind in decision-making processes, and to drive successful business performance. You will learn to evaluate, develop, implement, and upgrade marketing plans, and to understand marketing's connection to the other functions. Assorted career opportunities in industry are also discussed.
MKT360	Marketing Research	Marketing	UG	Systematic definition of marketing problems, strategies for data collection, model building, and interpretation of results to improve marketing decision making and control.
MKT490	Social Media Marketing	Marketing	UG	Special topics in marketing not covered under existing, regularly offered courses.
NSG222	Transcultural Health Care Delivery	Nursing	UG	Focuses on diverse populations and their approach to health and disease. This includes wellness approaches and one module on access to care that includes environmental factors.
NSG311	Care of the Childbearing Family and Community-Based Care	Nursing	UG	Focuses on community based health care that includes environmental health components and public health concepts."
NSG334	Population and Environmental Health Nursing	Nursing	UG	Focuses on community based health care that includes environmental health components and public health concepts."

NSG335	Population Health and Environmental Health Practicum	Nursing	UG	Focuses on community based health care that includes environmental health components and public health concepts."
NSL411	Psychiatric Nursing Laboratory	Nursing	UG	Clinical experiences are provided in acute care psychiatric in-patient and in medical surgical settings.
NTD200	Nutrition and Culture	Nutrition	UG	Nutrition and culture teaches cultural competence of diverse human experiences and the social drivers/origins of hunger, food insecurity, and nutrition outcomes.
NTD301	Consumer Nutrition	Nutrition	UG	This course explores the ever-changing frontier of nutrition science and confronts nutrition mysteries and emerging controversies. Practical tips and flexible guidelines to assist consumers in choosing nutritious, flavorful foods to match personal needs, preferences, and lifestyles are discussed. Emphasis is placed on methods of evaluating nutrition-related literature and claims, and interpretation of data and scientific studies relevant to nutrition.
NTD303	Princ of Human Nutrition	Nutrition	UG	This course introduces students to the biochemical, physiological, and microbiological basics of human nutrition. Topics include the scientific method; dietary guidelines; digestion, absorption, metabolism, and use of carbohydrates, lipids, and proteins; food sources and functions of vitamins and minerals; and the relationship between nutrition and health.
NTD304	Global Nutrition	Nutrition	UG	Global Nutrition-teaches about global nutrition issues with a focus on social and environmental drivers and origins--from hydrofracking to ultra-processed foods and NCDs linked to the global nutrition transition to health and food impacts of global climate change.
NTD305	Vegetarian Nutrition	Nutrition	UG	Lecture and cooking lab on vegetarian nutrition which included a visit to South Campus Garden, Sustainability Group Presentations, and an ongoing focus on reducing food waste and using sustainable cooking practices.
NTD408	FOOD SCIENCE	Nutrition	UG	Generally the course is an overview of food processing technologies. I have dedicated three weeks of the class to sustainability.
NTD415	Community Nutrition	Nutrition	UG	Community Nutrition is a requirement for nutrition majors with a focus on vulnerable populations, the emergency food relief system and community food security along with programs that address these.
NTD612	Nutrition and Human Behavior	Nutrition	G	Nutrition & Human Behavior-graduate level class with a focus on ecological theories of human behaviors that include social drivers of behavior and origins of food security and nutrition outcomes linked to social well-being or lack of it.
PEA142	Yoga 1	Kinesiology	UG	Sustainability embedded into syllabus with walking meditation in Gordon Natural Area, discussion boards, commitment to sustainable practices

PEA143	Yoga 2	Kinesiology	UG	Sustainability embedded into syllabus with walking meditation in Gordon Natural Area, discussion boards, commitment to sustainable practices
PEA242	Yoga 3	Kinesiology	UG	Students complete a sustainability service project with approximately 8 hours service on an area of WCU that they determine as a need. "
PHI101	Introduction to Philosophy	Philosophy	UG	This course is a survey of major problems in Western philosophy. Sustainability is addressed in units on Ethics and on Social and Political Philosophy.
PHI102	Introduction to Religious Studies	Philosophy	UG	This course explores the critical issues inevitably raised in the study of comparative religions including ecological crisis and climate emergency.
PHI174	Principles of the Arts	Philosophy	UG	Environmental Aesthetics including preservation of natural quiet, preservation of natural habitat, and how the arts are used to promote peace, justice and strong institutions.
PHI180	Intro to Ethics	Philosophy	UG	With an introduction to ethics course, like philosophy 180, it is vital to address the issue of sustainability. Beyond the standard questions surrounding the idea of justice, the course examines class, race, and gender issues, environmental issues, cultural criticism, and conflict resolution.
PHI204	Philosophies and Religions of India	Philosophy	UG	This course focuses on the challenge of rethinking Indian philosophies in relation to a just and sustainable society by exploring the current ecological issues
PHI282	Animal Ethics	Philosophy	UG	This course examines a variety of perspectives on animals, animal treatment and animal use. Among the perspectives considered are those of several environmental ethicists. Issues discussed include eating animals and the impacts of animal agriculture on people, animals and the environment, habitat preservation, endangerment and extinction.
PHI412	Ethical Theories	Philosophy	B	Examination of Ethical Theories including indigenous perspectives. Discussion cases include the new slavery, genocide, and the reduction of inequality.
PLN405	Planning Design Studio	Geography and Planning	UG	PLN405/605: Planning Design (Studio B). In this course, you will further develop proficiencies in site planning and urban design techniques. The overall purpose of this course is to challenge you to integrate other planning and geography coursework, prior academic work, and your own life experience and understanding of urban and suburban life in response to a real-world project that will require broad, detailed data collection and analysis, and the development and presentation of appropriate planning goals, recommendations, policies, concepts, plans and designs at either a regional, local, or site-specific scale.

PLN525	Planning History, Theory and Ethics	Geography and Planning	G	This course examines current planning theories including comprehensive, incremental, advocacy, equity, radical, communicative and just city approaches to planning. The course will examine several facets of planning theory including the role of planning within a democratic society, how planning influences society and society values, new directions within the field, and finally the relationship between planning theory and planning practice. As a result, it will enable students to critically examine the purpose and contribution of planning within society as well as the role of the planner including the issue of planning ethics, professional standards and conduct.
PLN528	Economic Development Planning	Geography and Planning	G	The course will explore the global and national context in which local economies operate, providing a perspective and rationale for how to design economic development strategies at a local level (community, local municipality, city, and state). The class begins with an examination of larger scale economic principles (both from a neoclassical economics perspective as well as a geographic, or economicsâ€™inâ€™place, perspective) and a look at the history of economic development patterns in the US, focusing on barriers to development for places and people. We will then focus on the role that the local public sector plays in generating economic development (jobs, employment, and tax base). We will consider the tools used by practitioners to implement economic development initiatives, and the role of economic development in an overall sustainable development strategy.
PLN605	Planning Design Studio	Geography and Planning	G	In this course, you will further develop proficiencies in site planning and urban design techniques. The overall purpose of this course is to challenge you to integrate other planning and geography coursework, prior academic work, and your own life experience and understanding of urban and suburban life in response to a real-world project that will require broad, detailed data collection and analysis, and the development and presentation of appropriate planning goals, recommendations, policies, concepts, plans and designs at either a regional, local, or site-specific scale. "
PPA514	American Public Policy	Public Policy	G	American Public Policy - A survey of literature, an examination of approaches, and the discussion of concepts and issues in the field of American politics and policy processes. Elements of sustainability covered in this course include environmental sustainability, fiscal sustainability, social equity, and responsible/sustainable economics. The culminating project for the course focuses on climate change.

PPA515	Social Equity and Public Administration	Public Policy	G	Equity, often the most underdiscussed element of sustainability, is the focus of this entire course. This course examines the role of social equity and diversity in public policy and administration, focusing primarily on gender, race and ethnicity. Emphasis will be placed on the history of the struggle for legal equality and the current forces of institutional discrimination that still exist. Students will also learn strategies for how public managers can embrace diversity in their organizations and create a climate of cultural inclusiveness for the workforce as well as for citizens.
PSC213	International Relations	Political Science	UG	The course will begins by surveying the historical evolution of and major theoretical approaches to the international system. Our main goal will be to understand how these issues, global and local in nature, affect us as a nation and individuals. The issue areas to be explored include such topics as cooperation and conflict among states, international law and human rights, global economic trends, social issues, the environmental challenges and others. The course will conclude by collective quest and prognosis as to what the future holds for international politics: what issues will be relevant around the world, whether the international system is moving toward more cooperation or antagonism, and what are the most effective solutions to these pressing questions.
PSC318	International Political Economy	Political Science	UG	This course on International Political Economy seeks as its central goal to enable students to understand the functioning of the international economic, political and social systems including an appreciation of the complex interrelationships that shape such systems, their dynamic qualities, and the theoretical perspectives and analytical skills that lead to deeper understanding.
SMD210	SMD	Sports Medicine	UG	In SMD210, Psychosocial Perspectives of Sports Injury, we include several social topics on inclusivity and social equity including issues around gender, sexuality, race, socioeconomic status, etc. Department of Sports Medicine
SOC200	Introduction to Sociology	Sociology	UG	Fundamentals of the sociological perspective on human behavior.
SOC361	Sociology of Medicine	Sociology	UG	A sociological perspective on health, illness, and medical care.
SPA201	SPA 201	Language and Cultures	UG	SPA 201 includes a chapter on environmental issues (regardless of whether I'm the professor or not, as we all use the same book). We teach students vocabulary in Spanish about sustainability and have discussions in class about environmental and social issues impacting societies

SPK208	Public Speaking	Communication and Media	UG	Development of skills necessary to understand the theory of communication as a problem-solving tool in the community. Special emphasis is on the student's performance as a sender and receiver of messages directed at social action."
SWG511	The dialectic of oppression and liberation	Graduate Social Work	G	Within the context of a diverse and stratified society, this course examines the impact of discrimination and oppression on members of special groups, i.e., ethnic minorities, women, elderly, disabled, gays, and lesbians while considering the effects of diversity on human behavior and attitudes. It also considers the richness of human diversity.
SWG541	Social Welfare Policies and Services	Graduate Social Work	G	This course emphasizes the historical, economic, political and philosophical foundations of American social welfare policy. Special attention is given to the values, ethics, and roles of the social work profession in the evolution of selected human service programs designed to achieve social and economic justice. Models for policy analysis, strategies for social change, and the policy challenges presented by social and legal discrimination are examined. We also include environmental justice and the promotion of human rights in this course which is aligned with the 2015 Educational and Policy Standards of our accrediting body Council on Social Work Education (CSWE).
SWG571	Social Work with Older Adults	Graduate Social Work	G	This course reviews theoretical and biopsychosocial elements of culturally responsive social work practice with older adults, their caregivers and families. The course examines the status and position of older adults in society, the community, and the interdisciplinary support service delivery system. This class includes information on assessments and interventions with diverse older adult clients regarding health and wellness, chronic illness, social networks, poverty, disability, end of life care and bereavement.
SWG590	Special Topics: Political Social Work	Health	G	This course takes a closer look at the world of electoral politics and why political participation is an integral part of social work practice. Social workers have a rich history of using their power and professional training to shape policy and advance social justice and human rights within the political system. In addition, students will learn about the inner workings of our electoral system, including how the system has been used to marginalize groups, most notably communities of color.

SWO320	Generalist SW Practice I	Social Work	UG	Although this is primarily a micro practice course, whenever possible, I link micro work to macro levels. This includes reminding students that there is no separation between their clients and the environment (physical, emotional, etc). In social work education, we are trying to break down these false separations of micro/mezzo/macro and to remind students that good social work practice must intervene at all 3 of these levels. So while the content focuses on practice, I try to make connections with them.
SWO321	Practice 2 Groups and Communities	Social Work	UG	This course teaches practice theory to students studying to do social work practice with groups and communities in a variety of community agencies serving persons who are dealing with poverty, health and well being, school education, gender equality, economic equality and growth, and peace and justice.
SWO332	Social Welfare and Policy Practice	Social Work	UG	Intro to Social Welfare & Policy Practice (UG Social Work Dept): This course introduces students to social policy. It links policies to their impact upon populations. This includes things like who is impacted by climate change, water quality (Flint, MI) and poverty.
SWO450	Field Seminar 2	Social Work	UG	This course serves to support the students in doing their field internships in the community, working with a variety of community agencies serving populations and persons who are dealing with poverty, health and well being, school education, gender equality, economic equality and growth, and peace and justice.
SWO495	Senior Seminar	Social Work	UG	This course is the seminar course to accompany senior capstone field experience. I integrate sustainability wherever I can link it to the curriculum. I try to present the content through a sustainability lens.
THA100	Theatre Suvey	Theatre and Dance	UG	This class is a survey course designed to introduce students to the full range of the Theatre process including directing, performance, design, dramaturgy and management.
THA101	Intro to Theatre	Theatre and Dance	UG	A survey of theatre as a humanity by exploring how theatre reflects and comments on its time and place. This course teaches the student what to listen for, and what to look for, when attending a live theatre performance.
THA104	Stagecraft	Theater and Dance	UG	Stagecraft, introduction to building scenery, stage lighting, and sound.
THA208	Scenery Construction and Rigging	Theater and Dance	UG	Scene construction and rigging, upper level course of advanced stagecraft and inclusive of over-head and ground rigging concepts
WGS225	Intro to Women's and Gender Studies	Women's and Gender Studies	UG	WGS 225 focuses on the history and current manifestations for systems of oppression, making explicit connections to the ways that those systems are unsustainable and contribute to inequality and the climate crisis.

WOS100	Body Politics	Women's and Gender Studies	UG	For both WOS 100 (Body Politics) and WOS 225 (Intro to Women's and Gender Studies), (Women's and Gender Studies), we look at the relationship between gender, race, and class inequality and food deserts. Throughout the semester, we discuss the ways in which women and children throughout the global south are disproportionately impacted by climate change, and that addressing climate change is a social justice issues. Body Politics takes a more introductory look at the issues, whereas Intro to WGS does a more in-depth study.
WOS225	Introduction to Women's and Gender Studies	Women's and Gender Studies	UG	Intro to wgs: This course introduces students to the interdisciplinary field of women's and gender studies. It is designed to help you develop a critical framework for thinking about questions relating to sex, gender, and sexuality and the ways that they are constructed and institutionalized " in our relationships, in our families (broadly defined), in our schools and workplaces, and in our culture.
WOS305	Intellectual Roots of Western Feminism	Women's and Gender Studies	UG	It's on the history of women's rights in the U.S. It's focus is on the fight for gender equality from the 18th Century to early 20th Century.
WRH210	Multiethnic Writing	English	UG	This course focuses on understanding the role that writing plays in shaping a multicultural society. Assignments will ask students to write for diverse social contexts and will help students expand their repertoire of genres and writing strategies.
WRH301	Rhetorics of Black Americans	English	UG	This course views the language of Black America as a form of cultural expression and means of resistance to oppression in the U.S. Using historical and thematic frames, students will relate their understandings of Black linguistic and rhetorical practices to Black folks' experiences and struggles for improved social, political, and material realities.
WRT200	Critical Writing	English	UG	An introduction to research writing where students researched and wrote on sustainability related topics.
WRT205	Investigating Experience	English	UG	Exploration of the student's personal history and attitudes through carefully structured compositions, including autobiographical narrative, memoir, and introspective analysis.
YES250	Introduction to Youth and Community Change Work	Youth Empowerment and Urban Studies	UG	Focuses on analyzing the world through various systems of oppression, including understanding racism, adultism, classism, and cissexism and looking at issues that face urban youth through these lenses. Goals include developing dispositions of working across difference, attentive listening, and empathy.

*** END ***