Department [1]	Course # [2]	Cross-Listing(s) [3]	Title	Description [4]	Level [5]	Type [6]	Sections [7]	Last Taught [8]	Notes [9]
School of Arts and Sciences	ENV 100		Introduction to Sustainability	How sustainable are modern human lifestyles? What would the world be like if they were more sustainable? How could we create such a world through the choices that we make as citizens, professionals, and consumers? Students leave traditional academic disciplines behind as they seek answers to these questions in this more than merely interdisciplinary course. By exploring how human systems and environmental systems interact in the context of everyday human activities, students learn how they can make choices that support both stewardship of the natural environment and long-term improvement in the quality of life for human individuals and communities.	Undergraduate	Sustainability Course	24		
School of Arts and Sciences	ENV 101		Environmental Science	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	15		
School of Arts and Sciences	ENV 111		Environmental Science Compass	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	4		
School of Arts and Sciences	SCI 219		Environmental Issues	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 220		GIS, Field Methods and Technology	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	5		
School of Arts and Sciences	ENV 250		Environmental Science Research Methods	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	6		
School of Arts and Sciences	ENV 300		Energy and Society	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 302		Environmental Communication	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 304		Sustainable Devlpmnt/Less Devlpd Cntry	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 304A		Sustnable Devlpment:Latin Amer Fld Exp	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	1		

School of Arts and Sciences	ENV 304B		Sustnable Devlpmnt: Caribbean Field Exp	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 305		Global Climate Change	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 309		Ecology and Human Societies	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 310		Environmental Chemistry	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 315		Environmental Ecology	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 318		Sustainable Communities	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 319		US Environmental Law and Politics	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 320		Environmental Law and Policy in the U. S.	This course provides an introduction to the scientific aspects of the environmental field. The first part of the course introduces students to the foundations of environmental science, while the second part concentrates on the application of these foundations to real life environmental problems. Therefore, the course not only engages the fundamentals of environmental science but also shows students how science informs sustainability, environmental policies, economics and personal choice.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 321		Environ Politics:U.S. /Intnatl Perspec	This 1-credit course familiarizes students with the structure and personnel of the Environmental Science degree program, and the resources in place for their support and success. Course sessions focus on introducing students to science faculty members and their areas of expertise, to lab spaces on campus and the equipment available to them, and to additional resources such as the Shapiro Library's science databases. Students will also be introduced to professional experiences through Career Services and guest talks from local Environmental Science professionals from a variety of organizations.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 322		Environment and Development	This 1-credit course familiarizes students with the structure and personnel of the Environmental Science degree program, and the resources in place for their support and success. Course sessions focus on introducing students to science faculty members and their areas of expertise, to lab spaces on campus and the equipment available to them, and to additional resources such as the Shapiro Library's science databases. Students will also be introduced to professional experiences through Career Services and guest talks from local Environmental Science professionals from a variety of organizations.	Undergraduate	Sustainability Course	2		

School of Arts and Sciences	ENV 325		Industrial Ecology	This 1-credit course familiarizes students with the structure and personnel of the Environmental Science degree program, and the resources in place for their support and success. Course sessions focus on introducing students to science faculty members and their areas of expertise, to lab spaces on campus and the equipment available to them, and to additional resources such as the Shapiro Library's science databases. Students will also be introduced to professional experiences through Career Services and guest talks from local Environmental Science professionals from a variety of organizations.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 329		International Environmental Law and Negotiation	This 1-credit course familiarizes students with the structure and personnel of the Environmental Science degree program, and the resources in place for their support and success. Course sessions focus on introducing students to science faculty members and their areas of expertise, to lab spaces on campus and the equipment available to them, and to additional resources such as the Shapiro Library's science databases. Students will also be introduced to professional experiences through Career Services and guest talks from local Environmental Science professionals from a variety of organizations.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 332		The Nature Writers	Students in this course examine major environmental problems to make them aware of current and potential environmental issues from the perspectives of society, business, and the individual.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 344		Environmental Science Colloquium I	This is an issue- and methods-based course that will introduce students interested in environmental field work to the tools and technology of the profession. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities to improve their skills. Main topics of the course will be the use and application of geographic information systems (GIS), multiple environmental field research techniques, and statistical and data analysis software.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 348		U.S. Environmental Law and Politics	This is an issue- and methods-based course that will introduce students interested in environmental field work to the tools and technology of the profession. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities to improve their skills. Main topics of the course will be the use and application of geographic information systems (GIS), multiple environmental field research techniques, and statistical and data analysis software.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 349		Comparative Environmental Law and Sustainable Development	This is an issue- and methods-based course that will introduce students interested in environmental field work to the tools and technology of the profession. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities to improve their skills. Main topics of the course will be the use and application of geographic information systems (GIS), multiple environmental field research techniques, and statistical and data analysis software.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 360		Interpreting Our Hist/Natural Heritage	This is an issue- and methods-based course that will introduce students interested in environmental field work to the tools and technology of the profession. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities to improve their skills. Main topics of the course will be the use and application of geographic information systems (GIS), multiple environmental field research techniques, and statistical and data analysis software.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 361		Environmental Impact and Site Assessment	This is an issue- and methods-based course that will introduce students interested in environmental field work to the tools and technology of the profession. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities to improve their skills. Main topics of the course will be the use and application of geographic information systems (GIS), multiple environmental field research techniques, and statistical and data analysis software.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 363		Environmental Ethics	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 372		Sustainability Strategies for Business	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Sustainability Course	1		

School of Arts and Sciences	ENV 373		LEED Green Associate Credential	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Course Includes Sustainabiity	2		
School of Arts and Sciences	ENV 374		OSHA General Industry Outreach Training	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Course Includes Sustainabiity	2		
School of Arts and Sciences	ENV 375		Hazardous Waste Coordinator Certificate	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Course Includes Sustainabiity	2		
School of Arts and Sciences	ENV 400		Environmental Problem-Solving Colloquium	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 401		Environmental Science Field Sem Abroad	This course provides students with an understanding of how to evaluate, conduct, write and design research. Required for environmental science majors, it introduces the why, when and how quantitative and qualitative methods are used as investigative tools. The course follows the scientific method and focuses on how to search the literature, write a literature review, formulate research questions/hypotheses, and design experiments to test these hypotheses. We will also explore qualitative methods and discuss their use in the field with special attention to conducting interviews, case studies, and focus groups. Students will prepare a research proposal on a topic of interest. Formulation of this project begins early, forms the basis for a final project, and is presented in a mock scientific conference.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401A		Techniques of Wildlife Managment	This course surveys various forms of energy that are available in an industrial society. The environmental impact and the continued availability of each form of energy will be discussed. Conservation of energy sources and the development of alternative energy sources in the home and industry will be emphasized.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401B		Wildlife Ecology	Communication of environmental issues is essential for public awareness, information and action in an era of rapid population expansion and resource depletion, which leads to global unsustainability. Research indicates that the general public receives most of its information about the environment from the mass media, so professionals need to be adequately trained in media information dissemination styles and techniques. This class will cover the spectrum of media available for conveying environmental and science information to the public and will teach writing and speaking skills for media and other communication channels. The course will also teach principles for an ecologically and economically sustainable future and how these principles can be effectively and persuasively communicated to people. Prerequisites: ENG 120, ENG 121, and either ENV 219 or SCI 219.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401C		Tropical Marine Ecology	This course explores the politics of sustainable development and its impact on development policy, with an emphasis on the implications of models of development based on the Western historical experience for the goal of achieving sustainable development in less developed countries. Students will spend much of the course playing and critiquing their own performance in Strategem, a computer-assisted simulation game used as a training tool for government and international aid officials around the world, in which players assume the roles of government ministers in a less developed country and attempt to chart a course of sustainable development for that country over a period of fifty years.	Undergraduate	Sustainability Course	1		

School of Arts and Sciences	ENV 401D		Rainforest Ecology	This course builds on the themes of ENV 304 in the context of a faculty-led group trip to Latin America. Students explore the social, political, and cultural dynamics of a country in Latin America through visits to many of its most important historical, cultural, and natural sites, as well as to some of the tourist attractions that have played central roles in the economic development stratgies of many Latin American countries in recent decades. Students complete assigned readings before the trip and write a research paper when they return on a topic of relevance to the themes of ENV 304 that integrates the assigned readings, the students' experiences on the trip, and their own research. Students enroll in ENV 304A for the spring semester and participate in the trip at their own expense during the preceding winter break. The content and duration of the trip may vary from semester to semester. Prerequisites: ENV 304 and permission of the instructor. Writing intensive course.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401E		Principles of Forest Management	This course builds on the themes of ENV 304 in the context of a faculty-led group trip to the Caribbean. Students explore the social, political, and cultural dynamics of a country in the Caribbean through visits to many of its most imortant historical, cultural, and natural sites, as well as to some of the tourist attractions that have played central roles in the economic development strategies of many Caribbean countries in recent decades. Students complete assigned readings before the trip and write a research paper when they return on a topic of relevance to the themes of ENV 304 that integrates the assigned readings, the students' experiences on the trip, and their own research. Students enroll in ENV 304B for the spring semester and participate in the trip at their own expense during the preceding winter break. The content and duration of the trip may vary from semester to semester. Prerequisites: ENV 304 and permission of the instructor. Writing intensive course.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401F		Principles of Resource Management	This interdisciplinary course brings students up to date on what is known and not known about the causes and consequences of global climate change, and about viable response options. Topics include analysis of climate drivers such as greenhouse gas emissions, and land-use changes, and investigation of some climate system responses such as increased storm intensity and increased surface temperature. Students also explore some of the societal and economic impacts of global climate change. By reference to the most recent report of the Intergovernmental Panel on Climate Change, paleoclimate studies, and other authoritative sources, students learn how to separate fact from fiction in the often publicized debate about the dynamics of global climate change and about how we should respond to it.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401G		Tropical Ecology/Sustainable Development	This course introduces students to the principles of ecology, with an emphasis on the insights that ecology can provide into the environmental impacts of human activities. Students will explore the ecological roles of individual organisms; the dynamics of populations, biotic communities, and ecosystems; energy flows and biogeochemical cycles; and the concept of sustainability.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401H		Coastal Ecology	Students in this course examine environmental problems with an emphasis on the scientific evidence from a chemistry perspective. Scientific concepts will be reinforced by the use of virtual labs.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401I		Environmntl Policy/Socioeconomic Values	This course introduces students to the priciples of ecology, with an emphasis on the insights that ecology can provide into the environmental impacts of human activities. Students will explore the ecological roles of individual organisms; the dynamics of populations, biotic communities, and ecosystems; energy flows and biogeochemical cycles and the concept of sustainability.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401J		Econ/Ethical Issues/Sustainable Devlpmt	How do we build a society fit for living This course looks to the field of environmentally sustainable community development (ESCD) for answers to this question. Students explore the principles and practices of ESCD using pattern-mapping of community needs, site visits, and other experiential learning tools that turn communities into classrooms, and bring the challenge of building environmentally sustainable communities to life. In the process, students identify assumptions that lead to unsustainable social practices, and develop the skills necessary to help create livable local landscapes and sustainable local futures through individual and community action.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401K		Language/Culture/Society of Costa Rica	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		

School of Arts and Sciences	ENV 401L		Swahili Language/E Afric Tribl Commun	This course offers a broad introduction to the content of environmental law and policy in the United States, with an emphasis on what triggers the applicability of selected federal environmental laws and policies to businesses, individuals, and state and local governments, as well as on the requirements with which those parties then must comply. This course places special emphasis on principles and concepts of environmental law and policy that transend specific environmental issues. In some parts of the course, students will be asked to propose their own solutions to especially challenging environmental policy dilemmas.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401M		British West Indies Culture/Society	This course offers a broad introduction to environmental politics as a policy-making process, both in the United States and internationally, with some reference to environmental politics in countries other than the United States. This course places special emphasis on how structural and functional differences between the American and international political systems lead to predictable differences in the types of environmental laws and policies that typically emerge from each.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401N		Directed Research - Fall	How can businesses, governments, and civil society organizations work together to build environmentally sustainable economies and livable local communities in an increasingly crowded and globalized world Students in this interdisciplinary course use insights drawn from the social sciences to identify assumptions about human nature and nurture that lead to environmentally unsustainable economic and development practices, then apply those insights to the practical problems of building robust national economies and healthy local communities worldwide, with an emphasis on less developed countries. Students spend part of the course playing and critiquing their own performance in Stratagem, a computer-assisted simulation game, in which they assume the roles of government ministers in a less developed country and try to chart a course of environmentally sustainable development for that country over more than half a century.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 401O		Directed Research - Spring	How can businesses, governments, and civil society organizations work together to build environmentally sustainable economies and livable local communities in an increasingly crowded and globalized world? Students in this interdisciplinary course use insights drawn from the social sciences to identify assumptions about human nature and nurture that lead to environmentally unsustainable economic and development practices, then apply those insights to the practical problems of building robust national economies and healthy local communities worldwide, with an emphasis on less developed countries. Students spend part of the course playing and critiquing their own performance in Stratagem, a computer-assisted simulation game, in which they assume the roles of government ministers in a less developed country and try to chart a course of environmentally sustainable development for that country over more than half a century.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 402		Environmental Sci SEA Semester	How can industrialized societies, industrial economic sectors, and industrial firms maintain and enhance productivity without exceeding the capacity of the natural environment to serve as a source of raw materials and to absorb wastes This interdisciplinary course looks to the field of industrial ecology for answers to these questions. Industrial ecology aims to minimize the environmental costs of industrial activities by applying lessons learned from ecosystems, in which all wastes are consumed as raw materials by other parts of the system. At scales ranging from whole societies to individual firms, students in this course learn how to stretch resources, manage risks, protect human health, and pursue environmental sustainability through strategies for preventing, reducing, reusing, and recycling the wastes that otherwise would be released to the environment as pollution.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 402A		Oceanography	How can we resolve environmental disagreements without picking winners and losers or merely agreeing to disagree This interdisciplinary course explores the most effective strategy for doing so in negotiating agreements of all kinds, using the multi-country agreements that are at the center of international environmental law as illustrative examples. Students spend most of the course building win-win negotiation skills in a series of increasingly complex computer-assisted and other role-playing simulation games. First, they explore some of the factors that give rise to international environmental dilemmas by assuming the roles of users of an international common pool resource that is not the subject of a negotiated management agreement. Then they assume the roles of member-states of the International Whaling Commission to negotiate the fate of a controversial proposal to end the international ban on commercial whaling. Finally, with the help of C-ROADS, an award-winning computer simulation used by governments, corporations, and nongovernmental organizations worldwide to model the long-term climate impacts of alternative greenhouse gas emission policy scenarios, and World Climate, a companion role-playing game, students assume the roles of state-parties to the United Nations Framework Convention on Climate Change to develop and to negotiate the fate of their own proposals for resolving the many environmental and development dilemmas associated with the climatic disruption being caused by human greenhouse gas emissions.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 402B		Maritime Studies	This course introduces students to the prose and poetry of major British and American writers and naturalists since the 18th century who observe nature vividly and write about humanity's relationship with the natural environment. Prerequsites: ENG 120 and either ENV 219 or SCI 219.	Undergraduate	Course Includes Sustainabiity	1		

School of Arts and Sciences	ENV 402C		Nautical Science	This is an issue and methods based course that will introduce environmental science majors to the tools and technology used in the field. Students will read and discuss primary literature that use these techniques and will participate in hands-on activities. A main focus of the course will be on the use and application of geographic information systems (GIS).	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 402D		Practical Oceanography I	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in ENV 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 402E		Practical Oceanography II	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in ENV 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 403		Environmental Sci SEA Summer Session	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in ENV 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 403A		Practical Oceanographic Research	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in ENV 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 404		Environmental Sustainability Field Experience I	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in ENV 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Sustainability Course	1		

School of Arts and Sciences	ENV 405		Environmental Sustainability Field Experience II	How effective is environmental law as a strategy for achieving sustainable development How does its diversity across countries and cultures constrain the ability of businesses, governments, and civil society organizations to achieve environmental sustainability goals in an increasingly globalized world This interdisciplinary course examines the many legal, political, cultural, and other factors that shape the answer to these questions, using China, India, Russia, the European Union, and the United States as illustrative examples. Students explore the implications of these factors not only for businesses, governments, and civil society organizations pursuing sustainability goals within their own countries, but also for their counterparts in other countries to whom the former are linked through bilateral trade relationships and global supply chains.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 410A		Semester in Washington, D.C.: Environmental Policy Field Experience	This course provides students with the backgrouond needed to pursue an interest in historical or environmental interpretation. Students will spend part of the course in the classroom discussing issues faced in developing historical or environmental interpreteive programs, displays, and other presentations. The course will address topics such as how to design an effective interpretive program, how to develop neutral displays and exhibits and write objective narrative, how to lead an effective interpretive walk or site tour, and how to develop a first-person living history character. Students will also visit and study local historical and natural outdoor sites, noting their strengths, weaknesses, and possible improvements. Offered every third spring beginning in spring 2007.	Undergraduate	Course Includes Sustainabiity	2		
School of Arts and Sciences	ENV 410B		Semester in Washington, D.C.: Environmental Studies Seminar	This broadly interdisciplinary course introduces students to the principles, practices, and procedures followed by environmental professionals in assessing sites for the presence of environmental hazards that could trigger cleanup requirements under federal or state environmental laws, and in assessing the environmental impacts of proposed development projects under the National Environmental Policy Act and similar state laws, using insights drawn from the natural sciences, the social sciences, and other fields. Students spend most of the course undertaking a virtual Phase I site assessment at a hypothetical former industrial site and its environs using Brownfield Action, a web-based simulation developed by experts to teach students the skills needed to prepare a professional-level environmental site assessment, and preparing a draft environmental impact statement for the hypothetical redevelopment project proposed for the site.	Undergraduate	Course Includes Sustainabiity	2		
School of Arts and Sciences	ENV 420		Environmental Interpretation:Field Exp	This course analyzes the application of ethical theory to moral questions about the environment. A number of different traditions in environmental ethics will be discussed and their strengths and weaknesses evaluated by applying them to practical moral problems.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 440		Senior Seminar	How can businesses contribute to the environmental sustainability of human societies without sacrificing the bottom line This broadly interdisciplinary, systems-based course draws insights from the natural sciences, social sciences, and other fields to explore a full range of strategic options relevant to businesses large and small in nearly every economic sector. Students spend nearly half of the course in a group-based simulation in which they assume the roles of the principals of consulting firms competing with rival firms to design a sustainability-focused strategic facility siting and environmental management plan for adoption by their client's board of directors using a version of The Triple Bottom Line Tool, a web-based platform designed by sustainability experts to help investors, decision-makers, and economic development professionals to enhance and to communicate investment performance across a broad array of environmental and other investment impacts.	Undergraduate	Course Includes Sustainabiity	5		
School of Arts and Sciences	ENV 444		Environmental Science Colloquium II	This course is the vehicle through which students receive ENV course credit for successfully completing the U.S. Green Building Council's ("USGBC") Leadership in Energy & Environmental Design ("LEED") Green Associate exam preparation program, which provides students with an up-to-date understanding of the most current green building principles and practices. Students demonstrate successful completion of the program by earning a passing score on the USGBC's Green Associate professional credential exam. For more information, see the UCBGC's credentials and Green Associate professional credential exam preparation web pages (http://www.usgbc.org/leed/credentials & http://www.usgbc.org/articles/prepare-your-leed- green-associate-exam, as well as SNHU's environmental management and sustainability program coordinator. This course is graded on a pass/fail basis.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 445		Sustainability Capstone Experience	This course is the vehicle through which students receive ENV course credit for successfully completing the U.S. Green Building Council's ("USGBC") Leadership in Energy & Environmental Design ("LEED") Green Associate exam preparation program, which provides students with an up-to-date understanding of the most current green building principles and practices. Students demonstrate successful completion of the program by earning a passing score on the USGBC's Green Associate professional credential exam. For more information, see the UCBGC's credentials and Green Associate professional credential exam preparation web pages (http://www.usgbc.org/leed/credentials & http://www.usgbc.org/articles/prepare-your-leed- green-associate-exam, as well as SNHU's sustainability certificate program coordinator.	Undergraduate	Sustainability Course	14		

School of Arts and Sciences	ENV 472		Sustainability for Businesses	This course is the vehicle through which students receive ENV course credit for completing the U.S. Occupational Safety and Health Administration's ("OSHA") Outreach Training Program for General Industry, which prepares students to recognize, avoid, abate, and prevent safety and health hazards in general industry workplaces. Students may enroll in either the 10-hour course (1 credit) or the 30-hour course (3 credits). Students demonstrate successful completion of either course through receipt of a student course completion card or training certificate. For more information, see OSHA's General Industry Outreach Training web page (https://www.osha.gov/dte/outreach/generalindustry /index.html) and Outreach Training Program General Industry Procedures (https://www.osha.gov/dte/outreach/generalindustry /generalindustry_procedures.pdf), as well as SNHU's sustainability certificate program coordinator.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 473		Sustainability Strategies for Business	This course is the vehicle through which students receive ENV course credit for completing the U.S. Occupational Safety and Health Administration's ("OSHA") Outreach Training Program for General Industry, which prepares students to recognize, avoid, abate, and prevent safety and health hazards in general industry workplaces. Students may enroll in either the 10-hour course (1 credit) or the 30-hour course (3 credits). Students demonstrate successful completion of either course through receipt of a student course completion card or training certificate. For more information, see OSHA's General Industry Outreach Training web page (https://www.osha.gov/dte/outreach/generalindustry /index.html) and Outreach Training Program General Industry Procedures (https://www.osha.gov/dte/outreach/generalindustry /generalindustry_procedures.pdf), as well as SNHU's environmental management and sustainability program coordinator. This course is graded on a pass/fail basis.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	ENV 479		GREED	This course is the vehicle through which students receive ENV course credit for successfully completing the New Hampshire Department of Environmental Services' ("NHDES") Hazardous Waste Coordinator Certification program. Students demonstrate successful completion of the program by earning a passing score on the program exam. For more information see NHDES's Hazardous Waste Coordinator Certification Program web page (http://des.nh. gov/organization/divisions/waste/hwcb/hwcs/hwccp/index.htm) and Hazardous Waste Coordinator Training and Certification Environmental Fact Sheet (http://des.nh. gov/organization/commissioner/pip/factsheets/hw/documents/hw-26.pdf), as well as SNHU's environmental management and sustainability program coordinator. This course is graded on a pass/fail basis.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 480		Independent Study	This course is the vehicle through which students receive ENV course credit for successfully completing the New Hampshire Department of Environmental Services' ("NHDES") Hazardous Waste Coordinator Certification program. Students demonstrate successful completion of the program by earning a passing score on the program exam. For more information see NHDES's Hazardous Waste Coordinator Certification Program web page (http://des.nh. gov/organization/divisions/waste/hwcb/hwcs/hwccp/index.htm) and Hazardous Waste Coordinator Training and Certification Environmental Fact Sheet (http://des.nh. gov/organization/commissioner/pip/factsheets/hw/documents/hw-26.pdf), as well as SNHU's sustainability certificate program coordinator.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ENV 490		Environmental Studies Internship	This interdisciplinary colloquium offers students the opportunity to craft practical solutions to environmental dilemmas faced by environmental policy makers, businesses, educators, and others in the United States and around the world. Students learn from their instructors and from each other as they develop comprehensive strategic plans for addressing an environmental dilemma of their choice. Prerequisites: ENV 219 or SCI 219, one 300-level ENV or cross-listed ENV course, and at least junior standing. Writing intensive course.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	SB 205		Integration and Application	This course is designed to provide opportunities to students for integrating and applying the knowledge gained in the school of business core courses they take in Year 2 of their respective programs. The course integrates the second year foundation courses through the topic of sustainability. Topics covered include the triple bottom line, development of sustainability metrics, the interconnectivity of business operations, and tradeoffs among stakeholders. Students demonstrate these skills by developing proposals for implementing sustainability related projects that incorporate the primary topics of the course.	Undergraduate	Course Includes Sustainabiity	4		
School of Business	OL 322		Managing Organizational Change	This course focuses on the effective management of human resources during the process of change. It emphasizes change management as a tool for survival, growth, increased productivity and conflict management in the complex and volatile business environment of today and the future. Change in an international environment also is discussed. Team intensive course. Junior standing or permission of instructor.	Undergraduate	Course Includes Sustainabiity	2		
School of Business	FMM 325		Sustainability in Fashion	The overall objective of this course is to explore the role that sustainability plays in fashion merchandising managers' decision to buy from vendors. It explores production and commercialization decisions with respect to buying green. It exposes students to the influence of social responsibility on fashion retailers' decisions.	Undergraduate	Course Includes Sustainabiity	1		

School of Arts and Sciences	SCI 373		Regional Sustainability Field Study	The class is designed to be a two week intensive field based class in the Pacific Northwest. Students will travel throughout Washington, Oregon, and Idaho studying the interactions between humans and the environment. Unlike a traditional classroom setting, students will be actually experiencing the topics covered first hand. Some places that will be covered and experienced on the trip are as follows: channeled scablands, Mt. Rainer National Park, Grand Coulee Dam, Mount St. Helens National Volcanic Monument, Pacific Ocean, Columbia River Gorge National Scenic Area, John Day Fossil Beds National Monument, and the Oregon Trail. This course can be taken more than once.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SOC 373		Regional Sustainability Field Study	The class is designed to be a two week intensive field based class in the Pacific Northwest. Students will travel throughout Washington, Oregon, and Idaho studying the interactions between humans and the environment. Unlike a traditional classroom setting, students will be actually experiencing the topics covered first hand. Some places that will be covered and experienced on the trip are as follows: Channeled Scablands, Mt. Rainer National Park, Grand Coulee Dam, Mount St. Helens National Volcanic Monument, Pacific Ocean, Columbia River Gorge National Scenic Area, John Day Fossil Beds National Monument, and the Oregon Trail. This course can be taken more than once.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 315		Ecological Principles and Field Methods	This course introduces students to the principles of ecology and practical methods used in the field. Students will explore theoretical topics in the ecological systems including the level of the population, community and ecosystem; energy flow and biogeochemical cycles; and the concept of sustainability. Students will read literature and conduct research projects in the field and will use critical thinking to evaluate research, design studies, present findings and debate on the issues.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	POL 349		Comparative Environmental Law and Sustainable Development	How effective is environmental law as a strategy for achieving sustainable development? How does its diversity across countries and cultures constrain the ability of businesses, governments, and civil society organizations to achieve environmental sustainability goals in an increasingly globalized world? This interdisciplinary course examines the many legal, political, cultural, and other factors that shape the answer to these questions, using China, India, Russia, and the United States as illustrative examples. Students explore the implications of these factors not only for businesses, governments, and civil society organizations pursuing sustainability goals within their own countries, but also for their counterparts in other countries to whom the former are linked through bilateral trade relationships and global supply chains.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	MBA 640		Finance, Economics, and Decision Making	The course is a continuation of MBA 520 Accounting and Financial Analysis and focuses on effective business decisions using quantitative and qualitative data, microeconomic and macroeconomic variables, and internal financial priorities. The students refine operational and investment decision-making skills with respect to organizational sustainability and growth, mergers, debt vs. equity funding and capital markets. In addition, students are exposed to foreign currencies, foreign direct investment (FDI), and international trade.	Graduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	POL 348		U.S. Environmental Law and Politics	How can businesses, governments, and public interest groups achieve environmental sustainability goals in legal and political contexts that were designed with other goals in mind? This interdisciplinary course explores the options in the United States, and provides a comprehensive point of comparison for topics explored in POL 349. Students spend about half of the course learning how to spot facts that give rise to compliance issues for businesses and other private parties under a full spectrum of federal environmental laws, and to identify opportunities for achieving broader sustainability goals within the constraints imposed by the law. In the other half, students learn both how to predict environmental law and policy outcomes and how to shape them adaptively in pursuit of sustainability goals in a fragmented system of governance that was designed to privilege special interests and to favor the status quo.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SCI 333		Waste: Sources, Reduction, & Remediation	Waste is a major issue in nearly all aspects of society and understanding it is essential when considering the environment and sustainability. This class will focus on how waste is produced, how to reduce this pollution and how to clean it up once it is released. In addition to the physical science, we will examine the impact of waste on the economy, society and public health.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	MBA 690		Operations Management and Technology	This course explores essential aspects of project management, the tracking and measurement of key performance indicators (KPI), and the use of current technology to create automation and sustainability. Students have the opportunity to examine technology management and operations management from a strategic perspective, creating a common view into the different layers of a business. In addition, students learn to collect, identify, and determine quality measures and use common methodologies and strategic planning processes.	Graduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	HOS 220		Geography of Global Cultures	What is tourism in an age of globalization where culture is increasingly a commodity ? What is the experience of tourists and locals who daily enact rituals of encounter in today's expanding circuits of travel? This course investigates the relationship between culture and tourism and answers these questions. Issues and trends in the management of tangible and intangible assets such as interpretation, globalization, cross cultural values, impacts of development, sustainable tourism, etc. are examined.	Undergraduate	Course Includes Sustainabiity	1		

School of Business	MBA 635		Ethics, Corporate Culture, and Social Responsibility	This course examines corporate culture and social responsibility, how to build a sustainable business, and how to promote corporate ethics and values. The course also looks at how to deal with group think, diversity and cultural awareness, civic engagement, and how to be at the forefront of using environmental and sustainable practices that have a positive global impact. The course will also examine personal ethics in relationship to corporate ethics, governance, and civic mindedness.	Graduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	CM 280		Passive Environmental Design Systems	Students engage in the opportunity to experiment and implement environmental design systems and sustainable building practices that directly relate to the construction industry throughout this course. By incorporating environment around a future building's milieu - the sun, wind patterns, geographic location, and topographic conditions - projects can leave smaller carbon footprints, become healthier for building occupants, and have the ability to achieve a passive state. This course will analyze case studies in the built environment, teach students the importance of a building's site and its location, and showcase the importance of a building's design, its thermal performance, and its internal systems.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SOC 318		Sustainable Communities	How do we build a society fit for living This course looks to the field of environmentally sustainable community development (ESCD) for answers to this question. Students explore the principles and practices of ESCD using pattern-mapping of community needs, site visits, and other experiential learning tools that turn communities into classrooms, and bring the challenge of building environmentally sustainable communities to life. In the process, students identify assumptions that lead to unsustainable social practices, and develop the skills necessary to help create livable local landscapes and sustainable local futures through individual and community action.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	POL 322		Environment and Development	This course focuses on the political economy of development and the related environmental issues. The purpose of the course is to introduce students to issues of political economy and the environment as they relate to development and globalization. Regional and cultural differences in the process of development will be scrutinized and the relevance of the development experience of one region to other regions will be questioned.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	HOS 311		Policy and Planning for Sustainable Development	This course provides an introduction to the nature and scope of tourism planning at the local, regional and national levels. Topics to be addressed include economic, social, environmental and policy considerations within the sustainable development framework. This course also discusses planning and development guidelines in different geographical areas. Case studies will be used to discuss different strategies regarding planning, initiating, and implementing tourism events and activities.	Undergraduate	Sustainability Course	1		
School of Business	MBA 515		Business Environment, Innovations and Entrepreneurship	This course focuses on the basics of business by introducing students to business environments in which they focus on the big picture, identify internal and external opportunities for growth, and manage resources. The course will also present students with management techniques to help them stay current and apply creative solutions to problems. Students will be introduced to the programmatic themes of globalization, leadership, team work, and ethics.	Graduate	Course Includes Sustainabiity	1		
School of Business	ECO 101		Economics of Social Issues	This course will introduce students to economics of social issues, focusing on today's most pressing social and economic problems from both a domestic and global perspective. First, students will trace the development of our economic society from the Middle Ages to the present in order to gain a perspective on why our present day economy is the way it is and where it may be headed. Next, participants will examine issues of, but not limited to, environment, healthcare, and the equity of income distribution using tools of macro and microeconomic analysis. Other areas of possible inquiry and analysis could include abortion, gay marriage, drug and alcohol use, assisted suicide, military draft, gun control, bribery, or any other area of inquiry which a student may choose. Students will be required to select a social and/or economic issue of their choice for a semester long study and will present the results of their work and recommendations for public or private action. This is a writing intensive course. Open to non-business majors only.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	ECO 201		Microeconomics	This course examines the role of economic systems in allocating scarce resources to satisfy the needs and wants of individual members of a society. After a brief exposure to alternative economic systems, the focus becomes the nature and performance of American capitalism. Primary emphasis is placed upon the development of models that explain the behavior of consumers, producers and resource suppliers in various market structures.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	GEO 200		World Georgraphy	This course examines the implications of global location and topography for the people of planet Earth. Students will explore how geography shapes the dynamics of human societies, with an emphasis on the geoenvironmental, geopolitical, and geosocial phenomena that help to define the modern world.	Undergraduate	Course Includes Sustainabiity	1		

School of Arts and Sciences	SCI 251		Natural Sciences I	Natural Sciences I is an interdisciplinary physical science course specifically designed for non-science majors. It explores three basic themes: cosmology and relativity, the Earth sciences, and astronomy. Under cosmology and relativity the topics include the origin, evolution and fate of the universe, space and time, creation of galaxies and solar systems, black holes and time travel. Under Earth sciences the topics include the Precambrian Earth, plate tectonics, earthquakes and volcanoes, the rock cycle, and weather and climate. Under astronomy the topics include ancient and modern astronomy, gravity, the solar system, and solar and lunar eclipses.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SCI 252		Natural Sciences II	Natural Sciences II is an interdisciplinary biological science course for non-science majors. It explores the creation of the solar system and Earth and the origin and evolution of life on Earth. It traces the evolution of life from single cells to complex organisms and focuses on the evolution of modern humans. It discusses the cellular and genetic mechanisms of evolution together with fundamental aspects of ecology and theories of mass extinctions. Finally, it explores topics in exobiology and compares life on Earth to possible life elsewhere in the galaxy.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SCI 220		Energy and Society	This course surveys the various forms of energy available to our industrial society. The environmental impact and depletion of each energy form is discussed with emphasis on the development of clean and inexhaustible alternative sources for the home and business. Topics include traditional and renewable energy sources, greenhouse effects, transpiration, nuclear power, and economies.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	ECO 202		Macroeconomics	This course explores the manner in which the overall levels of output, income, employment and prices are determined in a capitalist economy. The focus is on the forces that act to shape these factors and determine their fluctuations. The role of government fiscal and monetary policy in influencing the level of economic activity is also a major area of study. The impact of international transactions on the domestic economy also is discussed.	Undergraduate	Course Includes Sustainabiity	1		
School of Business	ECO 205		Foundations of Macroeconomics	Foundations of Macroeconomics explores the manner in which the overall levels of output, income, employment and prices are determined in a capitalist economy. The focus is on the forces that act to shape these factors and determine their fluctuations. The role of government fiscal and monetary policy in influencing the level of economic activity is also a major area of study.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	ATH 111		Introduction to Cultural Anthropology	This course is the study of preliterate and changing societies that emphasizes social organization and cultural aspects.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 101		Principles of Biology	Introductory level biology course that includes mammalian cell structure and function, cellular reproduction and physiology, and basic Mendelian genetics. Laboratory exercises (BIO-101L) to follow lecture topics.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 110		Introduction to Public Health	Introduction to Public Health provides an overview of factors associated with disease affecting populations. Students will be exposed to the history of public health in the United States, its political and social dimensions, basic epidemiology, and current approaches to issues of public health, including health care and health services.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 200		Bioethics	This course is a survey course in bioethics. Real case studies and readings will be used to familiarize students with current issues. Topics include abortion, life and death issues such as brain death and assisted suicide, experimentation with humans and animals, and public health issues. Students will present case studies for discussion, participate in debates, and learn to justify their own ethical positions related to these issues. This course is useful for anyone who intends to work in health care, laboratory settings, teaching, or biotechnology. Students will have a greater awareness for these important issues, and they will learn how to how to discuss these sometimes sensitive topics with others.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 215		People, Places, and Plagues	This course will explore the social, environmental, and community impacts of communicable disease. Significant pandemic, epidemic, and endemic diseases will be examined, in light of catastrophic outbreaks that have shaped the course of human history. Students will be exposed to the thrilling stories of many people who were involved with these events, as victims, investigators, and scientists. Weekly discussion will revolve around students' perceptions of disease, the future of epidemiological studies, and specific questions about microbes and other disease agents.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 312		Zoology	This course will discuss the anatomy, classification, adaptive physiology, ecology, and evolution of the major phyla of invertebrate and vertebrate animals. Virtual lab exercises and demonstrations will be used to support lecture material.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 314		Introductory Botany	This course will examine the physiology, genetics, taxonomy, and evolution of plants. Lab exercises, field work, and demonstrations will be used to support lecture material.	Undergraduate	Course Includes Sustainabiity	1		

School of Arts and Sciences	BIO 325		Animal Behavior	This course will introduce the student to the field of animal behavior. To gain a full understanding of the complexities of this subject, students will study aspects that influence innate behaviors, such as genetics, population biology, evolution and learned behaviors, such as learning theory and cultural transmission. The course examines theoretical and conceptual issues in animal behavior using experiments and case studies to highlight examples. We will focus on many important biological activities such as mating, the role of kinship, cooperation, communication, aggression, and play. In addition to identifying major patterns and processes of animal behavior, we will discuss the observational and experimental techniques used to study behavior and explore the major conceptual models guiding past and current research in this field. The course is offered as an upper level science course aimed at environmental science and psychology majors.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 330		Conservation Biology	This course will focus on the importance of biodiversity. Currently, we are experiencing an unprecedented loss in species; losing, on average, two species a day. Unlike past mass extinctions humans are largely responsible. Following the Society of Conservation Biology's guidelines for conservation literacy, this course will investigate how we can apply biological principals to reverse trends in species loss. We will focus on case studies to develop our understanding of what maintains, reduces, and restores biodiversity. The course will be organized into three sections 1) history and value of conservation biology, 2) threats to biodiversity, and 3) approaches to solving conservation problems.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 340		Human Health and the Environment	This course examines major environmental health problems in industrialized and developing countries, and evaluates possible future approaches to control of these issues. Topics include dose and response to pollutants, agents and vectors of contamination (air, water, and soil), susceptible populations and risk analysis, the scientific basis of policy and decisions, and emerging global health problems.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 431		Invasive Biology	Invasive species have had serious economic and ecological impacts around the world. The number of invasive species continues to grow every year, and it is therefore important for people to understand their specific biology, identification techniques, and how to implement management strategies. This course will utilize case studies from New England, the United States, and around the world to illustrate the problems and potential solutions for invasive species. Plant and animal species will be considered, both terrestrial and aquatic, and also the impact of microbes.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	BIO 480		Independent Study	This course offers students the opportunity to study an in-depth research topic not covered in courses listed in the catalog, under the supervision of a faculty member.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	GEO 202		Regional Georgraphy: Appalachia	This course will examine the geography of Appalachia. Emphasis will be placed on the physical, historical, social, and cultural geography of this region. Topics include: geologic formation of the Appalachian Mountains, the Civil War, socioeconomic problems, impacts of coal mining, and regional culture. This course requires a field trip with associated fees to Appalachia during spring break.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	INT 830		Theories of Globalization	This doctoral seminar presents globalization as the central issue that influences the practice of international business and internationalization processes of the FIRM and vice versa. Keeping the firm at the core, the course takes up globalization from various points of view, such as world economy and finance, geo-strategic and geo-political concerns, regionalism, institutions, global and corporate governance etc., which reflect opportunities and prosperity as well as big challenges facing international business theory, practice and research. The course enhances students' cognitive, heuristic, analytical and philosophical thinking process. It also creates the prospect for students to better their research, teaching, and communicative skills (writing and presentation skills).	Graduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	PHL 305		Animal Rights and Ethical Issues	This course is designed for any student interested in understanding the difference between animal rights and animal welfare issues. Students will engage in debates over specific issues and case studies in animal rights, and will discuss major legislation and regulations used around the world. Topics will include animals in zoos and circuses, animals in research, the treatment of livestock, wildlife trade, and the rights of companion animals. Students will keep a personal journal, and will create a collective project that synthesizes the topics explored throughout the semester.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	PHL 363		Environmental Ethics	This course analyzes the application of ethical theory to moral questions about the environment. A number of different traditions in environmental ethics will be discussed and their strengths and weaknesses evaluated by applying them to practical moral problems.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	SCI 218		Natural Resources	This class will introduce the concept of natural resources by studying topics such as land, soil, rangeland, forest, water, atmosphere, minerals, and energy. The management, use, and environmental impacts associated with these resources will also be studied. Emphasis will be placed on the United States within the context of the global environment.	Undergraduate	Sustainability Course	1		

School of Arts and Sciences	TCI 109		Food Purchasing	This course uses student research, lectures and guest speakers to examine the various grades, types and varieties of fresh and processed fruits, vegetables, meats, fish, shellfish, poultry, dairy products and various sundry items, and the methodology of purchasing food in large quantities. This course integrates student research with applied learning activities conducted through the Hospitality Center receiving department and Hospitality Center special events. Students will acquire in-depth knowledge of centralized procurement, writing specifications, product identification, packaging and pricing.	Undergraduate	Course Includes Sustainabiity	1		
School of Arts and Sciences	TCI 335		The Sustainable Kitchen: Farm to Table	Students with explore and research the viability of working within a framework of sustainability in the restaurant industry. We will be working in the classroom, in the kitchen and visiting local farms and purveyors to establish practices that can be beneficial for both the environment and the restaurant. We will be exploring ways of building relationships with growers/purveyors, setting up personal goals for sustainability, methods for implementing those goals. We will be creating seasonal menus, exploring ways to negotiate and work with farmers/purveyors to create mutually beneficial relationships, and how to extend the Farm to Table principles in a cold weather region. Students will explore the integral part a restaurant plays within the community and aspects of social responsibility - be those to the environment, the customers, employees and the basic need for profit for the restaurant to remain sustainable for itself. This course will utilize classroom lecture and discussion, visits to and from local farmers/purveyor, and kitchen lab time for preparing foods.	Undergraduate	Sustainability Course	1		
School of Arts and Sciences	TCI 335CO		The Sustainable Kitchen: Farm to Table Colloquium	Students with explore and research the viability of working within a framework of sustainability in the restaurant industry. We will be working in the classroom, in the kitchen and visiting local farms and purveyors to establish practices that can be beneficial for both the environment and the restaurant. We will be exploring ways of building relationships with growers/purveyors, setting up personal goals for sustainability, methods for implementing those goals. We will be creating seasonal menus, exploring ways to negotiate and work with farmers/purveyors to create mutually beneficial relationships, and how to extend the Farm to Table principles in a cold weather region. Students will explore the integral part a restaurant plays within the community and aspects of social responsibility - be those to the environment, the customers, employees and the basic need for profit for the restaurant to remain sustainable for itself. This course will utilize classroom lecture and discussion, visits to and from local farmers/purveyor, and kitchen lab time for preparing foods.	Undergraduate	Sustainability Course	1		
Global Campus	SEC 510		Environmental Issues	A fundamental understanding of the various processes necessary to support life on Earth. Examine how human activities and philosophies (individual, business, cultural, and others) generate environmental issues and threaten these processes, and offers sustainable alternatives to these activities. Topics include ecology; populations; agriculture; desertification and deforestation; water and ocean pollution; air pollution, including ozone depletion and acid rain; global warming; natural resource depletion; solid and hazardous wastes; energy, including fossil fuels and nuclear power; economic implications; and sustainability.	Graduate	Sustainability Course	1		
Global Campus	SEC 610		Energy and Society	This course surveys the various forms of energy available to our industrial society. The environmental impact and depletion of each energy form is discussed, with emphasis on the development of clean and inexhaustible alternative sources for the home and business. Topics include traditional and renewable energy sources; electricity; the atmosphere, including greenhouse effects; transportation; nuclear power; and economic implications.	Graduate	Course Includes Sustainabiity	1		
Global Campus	SEC 620		Environmental Compliance and Sustainability	This course introduces students to a broad range of strategies used by both large and small businesses to achieve and maintain compliance with environmental laws and sustainability goals, with an emphasis on companies doing business in the United States. Students learn the importance of environmental due diligence as a tool for minimizing acquired liabilities in business mergers and acquisitions; the value of environmental auditing as a means of identifying compliance and sustainability issues in ongoing business operations; and the power of both environmental management systems and environmental certification programs as strategies for achieving and maintaining environmental compliance and sustainability, and for securing a competitive advantage in a marketplace increasingly populated by sustainability-conscious consumers.	Graduate	Course Includes Sustainabiity	1		
Global Campus	CED 631		Housing Policy and Development	This course covers market analysis and housing needs assessments, site selection and control, financial feasibility reports, the selection of a development team, methods of obtaining approval from various government entities, identification of private and public funding and subsidies, and various forms of ownership, including cooperatives and land trusts. Students also learn about the policy framework for affordable housing development, and the legal, institutional, economic, political and environmental factors that shape that framework.	Graduate	Course Includes Sustainabiity	1		
Global Campus	CED 632		Urban Neighborhood Revitalization	This course looks at CED in urban (mostly United States) settings. Following a review of urban geography and changes in cities over time, the course examines strategies of business development, job creation, and neighborhood revitalization that are particularly relevant to cities. Students will gain an understanding of the roles of development partners, methods for fostering stakeholder involvement, and understanding the relationship between critical demographic, socio-economic cultural and capital investment/infrastructure related trends and priorities. Students explore case studies and identify best practices.	Graduate	Course Includes Sustainabiity	1		

Global Campus	CED 634		Financing Community Economic Development	This course looks at how CED projects and organizations are financed, including the traditional and non-traditional and financial institutions involved; the various forms of financing that are possible; the factors involved in choosing the financing for a particular project; and the ways in which the choice of financing may influence a project's outcome.	Graduate	Course Includes Sustainabiity	1		
Global Campus	CED 652		Community Building and Organizing	Community economic development often requires an understanding of community organizing to successfully involve the community in the development process. This course acquaints participants with different models of community organizing. It also trains participants in specific organizing skills that can be used in their work as CED practitioners, including negotiation techniques.	Graduate	Course Includes Sustainabiity	1		
Global Campus	ATH 101		The Human Experience: Introduction to Anthropology	Anthropologists seek to answer the questions of what it means to be human and how cultures shape societies. Anthropology is composed of four main fields-physical anthropology, cultural anthropology, linguistics, and archaeological anthropology-from which culture is examined. This course will introduce students to the anthropological study of cultures, including comparing and contrasting social relationships and belief systems in different cultural settings. Concepts learned in this course will then be used to understand contemporary world views.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	ATH 205		Discovering the Past: Foundations in Archaeology	Archaeological anthropologists seek to discover and learn from what we know about people and cultures that lived long ago. Artifacts and environmental modifications have left behind traces that tell us about their culture and their lives. In this course students will learn about survey techniques, culture change, dating methods, and the reconstruction of economic, social and religious practices of prehistoric societies. Archaeologists often collaborate with scientists from other disciplines to learn about the past. Students will explore what archaeologists hope to learn and how they study the past to inform the present.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	ATH 210		Human Origins and Evolution: Biological Anthropology	This course provides an introduction to biological anthropology which explores the evolution of the human species, as well as the biology of contemporary humans and their non-human primate relatives. Students will explore evolutionary theory and mechanisms, the fossil record of human evolution, and modern humans' adaptation to their environments. Basic concepts of genetics, geology, paleontology, comparative anatomy, and primate biology provide the foundation for understanding humanity from a biological anthropological standpoint.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	ATH 315		Anthropology in the Contemporary World	Anthropologists utilize an anthropological view to improve human lives. The purpose of this course is to allow students to discover the role of culture in contemporary problems, and to identify anthropological methods for creating positive, sustainable, and minimally biased change. The course will include a review of the history of anthropology and the current state of the field.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	ATH 320		Who Owns Culture? Ethics in Anthropology	This course examines an anthropological understanding and knowledge of different models of ethical decision-making in applied and theory based contexts. Students will learn to identify the concepts of morality and ethical reasoning using the three main traditions of Western philosophy. Ethical decision-making will be explored in the context of current issues, taking into account the four fields of anthropology.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	ATH 489		Capstone in Anthropology	This capstone course is the culminating experience for the B.A. in Anthropology program. The aim of the capstone is to assess students' ability to synthesize and integrate the knowledge and skills they have developed throughout their coursework, rather than introducing new concepts. This course is structured to support student success in fulfilling program requirements.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	BUS 490		Business Internship	The primary goal of the internship experience is to expose students to actual practices in the world of work outside of the classroom, to relate this experience to academic course work and to synthesize the two in a practical application of knowledge in an experiential setting. Secondarily, internships offer the opportunity to develop crucial job searching skills, explore career interests, enhance your resume, make contacts in your chosen field and build references for future employment. Each intern will work in a career-related position during the academic term for which the student is enrolled for the internship completing a minimum of 150 hours on the job per 3 credits. This is an elective internship course intended for College of Online and Continuing Education students who do not have a required internship as part of their program.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	CSR 510		Strategic Corporate Social Responsibility	Businesses are increasingly integrating corporate social responsibility strategies into every functional domain. Financial, social, ethical and environmental issues are all part of a proactive approach to corporate social responsibility management. This course focuses on strategic CSR, defined as corporate strategy that is integrated with core business objectives and competencies to create positive social change and business value. Students will leave this class armed with a tool set of best strategic practices and the skills to analyze, develop, and make recommendations for implementing strategic CSR in their own companies and industries.	Graduate	Sustainability Course	1		
Global Campus	CSR 610		Business Ethics and Culture	Business Ethics and Culture explores the main concepts and theories in the business ethics field and provides students with decision-making frameworks and practical tools. It aims to develop the capacity of students to critically engage with issues of human rights, environmentalism and sustainable development, consumerism, and the role that corporations play in politics, and places these within different philosophical and cultural perspectives.	Graduate	Sustainability Course	1		

Global Campus	CSR 620		Corporate Governance and Accountability	A proper governance framework is fundamentally important in enhancing the economic performance not only in individual firms but also in promoting welfare in society. Companies need to be accountable to wider stakeholder interests and within the context of corporate social responsibility. The number of stakeholders involved in governance systems is constantly increasing. Government and other regulatory agencies provide the platform through legislation, and boards of directors, auditors, shareholders, accounting professionals, company secretaries and employees all play their individual roles. The goal of this course is to introduce students to a wide range of accountability issues and governance procedures in the context of social contact.	Graduate	Sustainability Course	1		
Global Campus	GEO 330		Geohazards	This course will explore disasters due to natural phenomena such as climate change, hurricanes, tornadoes, earthquakes, tsunami, volcanic eruptions, asteroid/comet impacts, and mass extinctions. Each type of event will be considered in terms of its origin, evolution, warning potential, range of significant environmental impacts and possible mitigation strategies, as well as key historical cases of these geohazards.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	PHY 103		Earth System Science	Earth Science presents the basic dynamics of cycles and processes of the Earth, including an overview of the origin of the planet, its physical and chemical composition, and geological and chemical interactions. The course culminates in a discussion of the current health of the planet and examines related environmental issues and evidence.	Undergraduate	Course Includes Sustainabiity	1		
Global Campus	MBA 635		Ethics, Corporate Culture, and Social Responsibility	This course examines corporate culture and social responsibility, how to build a sustainable business, and how to promote corporate ethics and values. The course also looks at how to deal with group think, diversity and cultural awareness, civic engagement, and how to be at the forefront of using environmental and sustainable practices that have a positive global impact. The course will also examine personal ethics in relationship to corporate ethics, governance, and civic mindedness.	Graduate	Course Includes Sustainabiity	1		

[1] Institutions that do not have academic departments or equivalent administrative divisions should report fields of study, programs, subject areas or the equivalent.

[2] Optional

[3] Optional.

Institutions may choose whether or not to count courses listed in multiple departments or academic divisions as separate courses. For example, a course that is cross- listed in two departments or that is listed as both an undergraduate and a graduate course may be counted as one or two courses, as long as the institution's methodology is consistent.

[4] A brief description of the sustainability course and/or how sustainability is integrated into the course

[5] For example, undergraduate or graduate

[6] A course may be a sustainability course or it may include sustainability; no course should be identified as both:

• A sustainability course is a course in which the primary and explicit focus is on sustainability and/or on understanding or solving one or more major sustainability challenge (e.g. the course contributes toward achieving principles outlined in the Earth Charter).

• A course that includes sustainability is primarily focused on a topic other than sustainability, but incorporates a unit or module on sustainability or a sustainability challenge, includes one or more sustainability-focused activities, or integrates sustainability issues throughout the course.

[7] Optional.

Institutions may choose whether or not to count each time a course is offered as a separate course, as long as sustainability course offerings are counted in the same way as total course offerings.

For example, a course that is held twice (or if there are two sections) in the fall term and once in the spring term may be counted as 3 courses or 1 course, as long as the institution's course counting methodology is consistent.

An institution that elects not to count each time a course is offered as a separate course should verify that 50 percent or more of the sections or offerings of a course include sustainability to count the course as inclusive of sustainability.

[8] Optional.

Courses should be verified as having been taught during the specified timeframe (e.g. as opposed to being listed in a course catalog, but not taught).

[9] Optional