Spring 2024 Minor in Sustainability Studies Classes

Sustainability Core

- SUST 2000: Introduction to Sustainability  
  Meets: Multiple Sections  
  Description: Introduction to the interdisciplinary study of sustainability.
- HONR 1027: Honors Sustainability and the Modern World I  
  Meets: M 2:00-3:15, W 2:00-3:15  
  Description: Interdisciplinary exploration into concept of sustainability as theory and practice.
- SUST 5000: Senior Capstone  
  Meets: TH 4:00-6:45  
  Capstone research seminar for students completing the Minor in Sustainability Studies.

Engineering, Technology, and Design

- BSEN 3230: Natural Resource Conser Engr- Writing Enriched  
  Meets: MW 9:00-9:50, T 12:30-3:20  
  Description: Departmental approval. Engineering analysis applied to natural resource systems. Design principles and practices in rainfall-runoff relationships, soil erosion and its prediction and control, hydraulic structures, and open channel hydraulics.
- CADS 5150: Global Issues in INDS- Writing Enriched  
  Meets: T/TH 2:30-3:45  
  Description: INDS (interior design) majors only or with Departmental approval. Explores the impact of designed products, places, and processes within the interior environment on global health and quality of life.
- LANDS 5250: Construction II: Materials & Detailing  
  Meets: T/TH 3:00-4:15  
  Description: Fundamentals of design detailing of site assemblies, with emphasis on material research and construction methods. Departmental approval.
- MATL 2220: Materials and the Environment*  
  Meets: TH 1:00-1:50  
  Description: Environmental impact of the production, use and disposal of materials.
  *NOTE: Take all three MATL 2210/2220/2230 to count as one 3-credit course. One of these courses is offered each fall / spring and the courses do not need to be taken in sequence.

Natural and Physical Sciences

- BIOL 3060: Ecology  
  Meets: Multiple Sections
- **Description**: Interactions of organisms with their environments and characteristics of populations, communities, and ecosystems. 8 hours of Biology.

- **BIOP 2120: Frontiers for Sustainable Biomaterials**
  - Meets: MWF 11:00-11:50
  - Description: Introduction to the sustainability of biomaterials and resource efficiency to produce materials, food, energy and services, that decrease society's dependency on fossil fuels.

- **CSES 1020: Crops and Life**
  - Meets: T/TH 9:30-10:45, TH 1:00-2:50
  - Description: Science Core. Essential role of crop plants to human life. Topics will include historical development of crop science, impact of crop science on human development, and major issues and problems facing modern crop science and technology.

- **CSES 5060: Soil Microbiology Lecture**
  - Meets: MWF 10:00-10:50, Online Asynchronous
  - Description: Ecology, physiology, and biochemistry of soil microorganisms with emphasis on soil microbial processes that are important to environmental quality and soil productivity.

- **CSES 5300: Soil Chemistry**
  - Meets: MW 1:00-2:15, F 1:00-2:50, Online Asynchronous
  - Description: An introduction to the basic soil chemical properties of mineral composition, weathering, absorption, cation exchange, acidity, alkalinity, salinity and soil reactions with fertilizers, pesticides and heavy metals

- **CSES 5400: Bioenergy and the Environment**
  - Meets: MWF 10:00-10:50
  - Description: The role of bioenergy in reducing environmental problems related to use of fossil fuels and certain agricultural practices, and in addressing declining rural economies.

- **ENTM 5500: Bee Biology and Management**
  - Meets: MW 1:00-1:50, W: 2:00-4:00
  - Description: Biology and management of bees, with an emphasis on honey bees and beekeeping.

- **FORY 5400: Forest Economics**
  - Meets: T/TH 12:30-1:45, TH 2:00-4:45
  - Description: Marginal analysis, investment theory, resource supply, economics of conservation, and taxation principles applied to forestry. Structure and performance of forest products markets.

- **GEOG 5010: Urban Geography**
  - Meets: T/TH 11:00-12:15
  - Description: Senior standing or Departmental approval. An introduction to the field of urban geography and urban sustainability. Basic principles and processes that constitute the growth of urban areas, history, impact of urbanization, adaptation and mitigation towards a sustainable future.
• HORT 2040: Organic Gardening
  o Meets: Online Asynchronous
  o Description: Principles, production practices, maintenance, harvesting and marketing of organically and traditionally home-grown vegetables.

• NATR 4240: Watershed Management
  o Meets: T/TH 12:30-1:45
  o Description: Introduction to watersheds, effects of land management on erosion and water quality, and mitigation techniques to reduce adverse effects.

• NATR 5250: Wetland Ecology and Management
  o Meets: T 2:00-4:45
  o Description: Wetland ecology in the southeastern U.S. with emphasis on soils, hydrology, biology, and policies and practices related to agriculture, forestry, wildlife.

Social and Human Sciences

• CADS 2000: Global Consumer Culture
  o Meets: T/TH 8:00-9:15, Online Asynchronous
  o Description: Sustainability and social responsibility provide a framework for the study of cultural, commercial, and aesthetic factors influencing the selection and usage of consumer products and services that create and express social identity.

• CPLN 5010: Introduction to Community Planning
  o Meets: M 3:30-6:00
  o Description: Examines the basic principles of community design and planning, and introduces areas of specialization with the professional of planning.

• FORY 5540: Environmental Law
  o Meets: Online Asynchronous
  o Description: A review of environmental law including common and administrative law, land use, and Federal statues on water, air, toxins and waste.

• FOWS 5270: Natural Resource Policy
  o Meets: MWF 9:00-9:50
  o Description: Departmental approval. Examination of attitudes, philosophies and policies that govern management of the natural resource.

• FOWS 5620: Natural Resource Finance and Investment
  o Meets: M 5:00-7:50
  o Description: Principles of corporate and real estate finance as applied to natural resources and the place of natural resources in individual and institutional portfolios.

• GEOG 2010: Human Geography
  o Meets: MWF: 9:00-9:50
  o Description: Spatial perspectives on modern society such as population change, economics, politics, urban development, and local culture, and geography’s approach to solving problems using case studies and issues.
- **HDFS 4700: Gender Roles and Close Relationships**
  - Meets: MWF 10:00-10:50
  - Description: Analysis of changing roles and their effects on romantic, marital, and parent-child relationships.

- **HUSC 2000: Hunger: Causes, Consequences, and Responses**
  - Meets: Online Asynchronous
  - Description: Examine hunger as a complex issue of sustainable human development. Topics include causes and consequences of domestic and global hunger and potential solutions.

- **NATR 2050: People and the Environment: An Introduction to Conservation Social Sciences**
  - Meets: T/TH 12:30-1:45
  - Description: Introduction to the variety of social sciences used to understand the relationships of people and their environment. Students will develop a deeper and broader understanding of the challenges and potential solutions to natural resource issues facing society today.

- **NATR 5430: Human Dimensions of Wildlife and Natural Resources**
  - Meets: MWF 8:00-8:50
  - Description: Forests, wildlife, wetlands, and wilderness - sustaining and managing our natural resources ultimately depends on understanding people. Students will investigate the paradigms and theoretical foundations regarding our values, beliefs, attitudes and behaviors concerning human-environment interactions.

- **POLI 2120: Cities and Urbanization**
  - Meets: T/TH 12:30-1:45
  - Description: This course introduces students to main themes and problems in the interdisciplinary field of urban studies.

- **RSOC 3560: Environment, Society, and Justice**
  - Meets: T/TH 11:00-12:15
  - Description: The course focuses on micro and macro structures influencing environmental problems, and possible pathways for their resolution. The course introduces Environmental Sociology through an action-oriented approach to environmental problems.

- **SCMN 4620: Sustainable Supply Chain Management**
  - Meets: not available
  - Description: Pressure from customers, policy makers and non-governmental organizations compels companies to address the environmental footprint of their operations and the social impact they have on local communities. This course focuses on the “triple bottom line,” which addresses how a company must strategically incorporate environmental, social and economic dimensions.

- **SOCY 1100: Current Issues in Race and Ethnicity**
  - Meets: MWF 3:00-3:50
  - Description: An exploration of how race and ethnicity shape our daily lives and the world around us.
• **SOCY 3500: Social Inequalities**
  o Meets: MWF 1:00-1:50
  o Description: Exploration of the sources and uses of minority representations in the United States addressing inequalities such as race, ethnicity, gender, and sexual orientation.

• **WMST 3500: Gender, Beauty, and Culture**
  o Meets: T/TH 2:00-3:15
  o Description: An overview of how cultural perspectives on gender and beauty inform one another and shape ideals of femininity and masculinity and impact individual's lives and identities.

**Arts and Humanities**

• **FLIT 3510: Intro to Italian Culture in English: Italian Ecocinema**
  o Meets T/TH 9:30-10:45
  o Description FLIT 3510 in Spring 2024 will focus on environmental justice through Italian ecocinema (with English subtitles). Movies and documentaries are powerful instruments that can raise consciousness about environmental justice. The films analyzed in this course reflect on the need to develop sustainable forms of coexistence with the environment. We will focus on past and current forms of living and co-existence within an Italian context. However, when possible, connections will be made with the American landscape. We will discuss both masterpieces of Italian cinema, such as Red Desert (by Michelangelo Antonioni) and Hands Over the City (by Francesco Rosi) and movies from contemporary directors (e.g. Alice Rohrwacher, Michelangelo Frammartino and Matteo Garrone). A few contemporary documentaries will also be included in this course. Some of the topics we will address are: toxicity and slow violence, depopulation and ghost towns, "natural" disasters, illegal waste dumping, the meaning of progress, the Italian economic boom, oil culture, NATO and military bases in Sardinia, and even climate change (just to name a few topics).

• **HIST 3060: Issues in African-American History: American Slavery**
  o Meets: T/TH 11:00-12:15
  o Description: Learn about the origins, development, and abolition of slavery in the US. Class discussion topics include how Hollywood has represented slavery, enslaved resistance and culture, and debates over reparations.

• **NATR 5310: Environmental Ethics**
  o Meets: MWF 9:00-9:50 or 11:00-11:50
  o Description: Critical examination of environmental ethics: historical development and various ethical perspectives. Examination of current environmental issues using perspectives covered in course.

• **CPLN 5000: History and Theory of Urban Form**
  o Meets: T/TH 11:00-12:15
  o Description: The vocabulary and historical development of urban design, focusing on the environmental and cultural forces that design, shape, build, and redevelop the urban fabric.