

NATURAL RESOURCES (NR)

NR 1115 - Seeking Sustainability (3 credits)

1115: Strategies to promote sustainability through the identification, description, and analysis of the dominant interconnections within and between environmental, social, and economic systems across local to global scales. 1116: Perceptions of, conditions of, and strategies to analyze processes of change within complex systems, and promote sustainability across local to global scales.

Pathway Concept Area(s): 3 Reasoning in Social Sciences, 11 Intercultural&Global Aware.

Instructional Contact Hours: (3 Lec, 3 Crd)

Course Crosslist: GEOG 1115

NR 1116 - Seeking Sustainability (3 credits)

Prerequisite(s): NR 1115 or GEOG 1115

Pathway Concept Area(s): 3 Reasoning in Social Sciences, 11 Intercultural&Global Aware.

Instructional Contact Hours: (3 Lec, 3 Crd)

Course Crosslist: GEOG 1116

NR 1234 - First Year Experience In Natural Resources and Environment (3 credits)

Introduction to problem solving related to natural resources and environmental issues. Developing a sense of identity and place within the college while acquiring skills and knowledge that enhance academic success. Exposure to programs on campus that support sustainability and student success. Introduction to a variety of career pathways within natural resources and environmental conservation.

Instructional Contact Hours: (2 Lec, 2 Lab, 3 Crd)

NR 1984 - Special Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 2234 - 1st Semester Experience-Transfer Students in Natural Resources and Environment (2 credits)

Problem solving related to natural resources and environmental issues, focusing on research, writing and oral presentation skills. Orientation to the college while acquiring skills and knowledge that enhance academic success, including university resources and professional/personal ethics. Introduction to a variety of career pathways within natural resources and environmental conservation. Restricted to transfer students.

Instructional Contact Hours: (2 Lec, 2 Crd)

NR 2554 - Leadership for Global Sustainability (3 credits)

Leadership principles and humanities perspectives that help examine and engage global sustainable development challenges such as climate change, food-water-energy nexus, rising middle class, circular economy, and environmental justice. Topics include collaboration, stories, conflict resolution, self-awareness, bias, equity, religion, hubris, globalism, and moral naturalism. Examine trade-offs among economic, environmental, and social dimensions of sustainable development. Integration and application of disciplinary topics including ethics, ecology, evolution, anthropology, economics, religion, aesthetics, and risk management.

Pathway Concept Area(s): 2 Critical Thinking Humanities, 3 Reasoning in Social Sciences, 10 Ethical Reasoning, 11 Intercultural&Global Aware.

Instructional Contact Hours: (3 Lec, 3 Crd)

Course Crosslist: FREC 2554, LAR 2554

NR 2974 - Independent Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 2984 - Special Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 3954 - Study Abroad (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 3964 - Field Study (1-19 credits)

Instructional Contact Hours: Variable credit course

Repeatability: up to 12 credit hours

NR 4004 - Professional Skills in Natural Resources (1 credit)

Elements of professionalism and principles of success across a wide spectrum of natural resources careers. Skills for ethical and professional interaction including effective communication, advancement of diversity and inclusion, and personal responsibility. Career preparation principles including employer outreach, job seeking, resume writing, and interview preparation. Guest speakers from academia, industry, and government. Pre: Senior standing.

Instructional Contact Hours: (1 Lec, 1 Crd)

Course Crosslist: FREC 4004

NR 4014 - Natural Resources Economics (3 credits)

Examination of domestic and international natural resource use, exploitation, and degradation problems, with special focus on use of economics to understand why potential overuse of natural resources exists, and what policy options are available to correct these problems and ensure sustainable natural resource use over time. Water, forests, fisheries, land and exhaustible resources. Permission of instructor may be substituted for the pre-requisite.

Prerequisite(s): ECON 2005 or AAEC 1005

Instructional Contact Hours: (3 Lec, 3 Crd)

Course Crosslist: FREC 4014

NR 4105 - Leadership in Natural Resources (3 credits)

Preparation for leadership roles in the natural resource professions. Introduction to theories of leadership; characteristics of effective leaders; leading and working in interdisciplinary teams. Techniques of meeting facilitation; written and oral communication skills in a leadership context. Effects of preferred modes of interacting with others, perceiving information, making decisions, and approaching tasks on the ability to lead and work with others. Consent of instructor.

Prerequisite(s): FIW 2114 or FOR 2314 or FREC 2314 or GEOG 3104 or SBIO 2124

Instructional Contact Hours: (3 Lec, 3 Crd)

NR 4106 - Leadership in Natural Resources (3 credits)

Preferred styles for dealing with change and conflict; generational change in the workplace; approaches to negotiation and resolution of conflicts. Exploration of specific models of leadership. Application of leadership skills, conflict resolution, teambuilding and project development skills in student group projects. Consent of instructor.

Prerequisite(s): NR 4105

Instructional Contact Hours: (3 Lec, 3 Crd)

NR 4444 - Practicing Sustainability (3 credits)

Practicum in sustainability. Synthesize and integrate knowledge from undergraduate career and apply to real world problems of sustainability. Topics and projects selected from opportunities to examine specific local and regional sustainability issues on the VT campus, in the New River Valley and the Commonwealth at large. Pre: Senior Standing.

Instructional Contact Hours: (3 Lec, 3 Crd)

Course Crosslist: GEOG 4444

NR 4964 - Field Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 4974 - Independent Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 4984 - Special Study (1-19 credits)

Instructional Contact Hours: Variable credit course

NR 4994 - Undergraduate Research (1-19 credits)

Instructional Contact Hours: Variable credit course