

**Northwest Arkansas Community College**  
(Science and Mathematics Division)

**Discipline Code**

ENSC

**Course Number**

1003H

**Course Title**

Environmental Science, Honors

**Catalog Description**

A course focusing on the interrelationship between man and his environment. The first half of the course is an abbreviated study of basic ecological and conservation principles. The second half focuses on environment topics of special interest. These topics may include air and water pollution, environmental ethics, policy and decision-making, waste management, attracting and preserving wildlife or other requested topics. This is an honors course. Please refer to the NWACC Honors Program section in the current catalog for more information. ENSC 1001L is a co-requisite.

**Prerequisites**

None. Corequisite ENSC 1001L

**Credit Hours**

3 credit hours

**Contact hours**

45 lecture contact hours

**Load hours**

3 load hours

**Semesters Offered**

On Demand

**ACTS Equivalent**

None.

**Grade Mode**

A-F

**Learning Outcomes**

Students completing this course will:

- Explain the need for “scientific literacy” in coping with the world of the present and better understand the world in their future.

- Explain the scientific method and how it is used to acquire information about the world around them.
- Relate scientific approach to understanding challenges and issues affecting their environment.
- Describe GIS (Global Information Systems) and how it applies to the scientific community in today's workplace.

## **Honors Outcomes**

Honors classes (and the Honors Program) promote the following core values:

- Community - Students will demonstrate civic engagement through Service Learning and exploration of local, national, and global communities
- Curiosity - Students will cultivate personal and intellectual curiosity through investigation, discussion and scholarship
- Diversity - Students will explore multiple perspectives through interdisciplinary learning.

## **General Education Outcomes Supported**

- Students develop higher order thinking skills.
- Students can write clear, coherent, well-organized documents, which are substantially free of errors.
- Students can read selections at the appropriate level of education and describe the main idea and supporting details. Students can evaluate written material objectively.
- Students can achieve mathematical literacy.
- Students demonstrate information literacy.

## **Standard Practices**

### **Topics list**

- Critical Thinking about the Environment
- Earth as a System of Change
- The Human Population and Environment
- Biogeochemical Cycles
- Ecosystems and Ecosystem Management
- Biological Diversity
- Biogeography
- Biological Productivity and Energy Flow
- Ecological Restoration
- Sustaining Living Resources
- Effects of Agriculture on Environment
- Environmental Health, Pollution, and Toxicology
- Fossil Fuels and Environment

### **Learning activities**

- Courses must, at a minimum, cover the core learning outcomes for each topic.
- Course assignments include homework, quizzes, exams, and discussions.

### **Assessments**

- None.

### **Grading guidelines**

- At least 50% of the grade should come from proctored work.

**Revision Date**

May 16, 2021