

ENVIRONMENTAL SCIENCE (ENV)

ENV 100 Basic Environmental Science (3 CR.)

Presents and discusses basic scientific, health-related, ethical, economic, social, and political aspects of environmental activities, policies, and decisions. Emphasizes the multidisciplinary nature of environmental problems and their potential solutions. Lecture 3 hours per week.

ENV 121 Foundations of Environmental Science (4 CR.)

Focuses on basic physical, chemical, and biological principles with an emphasis on the interactions between humans and the environment. Assignments require college-level reading fluency, coherent written and oral communication, and basic mathematical skills. Intended for students not majoring in science. Can be taken by itself or before or after ENV 122. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

Prerequisite(s) Eligible for ENG 111, or completion of EDE 10

This is a Passport and UCGS transfer course.

Credit for Prior Learning available for this course. More information at <https://www.nvcc.edu/admissions/cpl.html>.

ENV 122 Applications in Environmental Science (4 CR.)

ENV 121 is recommended. Applies the basic concepts of environmental science to human interactions with the environment. Examines environmental science in the context of the societal implications with a focus on sustainability. Assignments require college-level reading fluency, coherent written communication, and basic mathematical skills. Intended for students not majoring in science. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week..

Prerequisite(s) Eligible for ENG 111, or completion of EDE 10

This is a UCGS transfer course.

Credit for Prior Learning available for this course. More information at <https://www.nvcc.edu/admissions/cpl.html>.

ENV 161 Introduction to Environmental Compliance (3 CR.)

Examines the statutory history of significant environmental legislation and the promulgation of rules and regulations attendant to these laws. Emphasis will be placed on 40 CFR and appropriate Virginia environmental code. Students will understand proper field techniques in sampling protocols for soil, water and air. Lecture 3 hours per week.

Prerequisite(s) ENG 111

ENV 227 Environmental Law (3 CR.)

Introduces environmental law including the history of environmental laws, the National Environment Policy Act, state environmental acts, hazardous wastes, endangered species, pollution, and surface mine reclamation. Lecture 3 hours per week.

Prerequisite(s) Two semesters of college level science or division approval

ENV 230 Applications in Environmental Science (3 CR.)

Introduces Global Positioning Systems(GPS) and Geographic Information Systems (GIS) hardware and software and applies the principles of GPS and GIS to Forest Science and Environmental Science. Includes: Natural Disasters; Pest Control; Water Quality; Prescribed Burning; Identifying Sources of Pollution. [This course covers the same content as GIS 230. Credit will not be granted for both courses]. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

Prerequisite(s) GIS 200