

EVS: Environmental Science Courses

Courses

EVS 4192C Environmental Soil Science
3 sh (may not be repeated for credit)

Examines the delicate nature of soils and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Offered concurrently with EVS5194C (Environmental Soil Science); graduate students will be assigned additional work. Permission is required.

EVS 5194C Environmental Soil Science
3 sh (may not be repeated for credit)

Examines the delicate nature of soil and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Students will be assigned additional work. Permission is required.

EVS 6196C Sampling and Analysis in Environmental Sciences
3 sh (may not be repeated for credit)

Theory and techniques of modern field and laboratory methods used for physical and chemical analysis of soil, sediment, and water samples. Procedures for exploratory data analysis and interpretation. Emphasis will be upon the collection of samples and their subsequent analysis. Written reports and oral presentations are required. Material and Supply Fee will be assessed.

EVS 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EVS 6940 Internship
1-3 sh (may be repeated for up to 6 sh of credit)

Supervised and structured participation in environmental work experience in the private, government, or educational sectors. Permission is required.

EVS 6971 Thesis
1-6 sh (may be repeated for up to 12 sh of credit)

Design, research, and presentation of a master's thesis under the direction of the faculty committee. Graded on a Satisfactory/Unsatisfactory basis only.