Environmental Science (ENSC)

Courses

ENSC 5021L. Water Quality Laboratory. 1 Hour.
Field and laboratory experience in physical, chemical, and biological characteristics of natural waters (rain, river, lake, soil, ground, etc.). Laboratory experiments in water sampling, measurement of water quality parameters such as pH, alkalinity and acidity, redox, hardness, BOD, TSS, etc., and instrumentation. (Typically offered: Fall)

ENSC 5023. Water Quality. 3 Hours.
Physical, chemical, and biological characteristics of natural waters (rain, river, lake, soil, ground, etc.). Discussion of water quality parameters such as pH, alkalinity and acidity, redox, hardness, BOD, TSS, etc. Aquatic processes of pollutants and principles of modeling. Prerequisite: CHEM 1123, CHEM 1121L, BIOL 1543 and BIOL 1541L or equivalent courses from undergraduate institution. (Typically offered: Fall)

ENSC 5033. Analysis of Environmental Contaminants. 3 Hours.
Methods of analysis for inorganic and organic contaminants, and microorganisms in soil and water. Quality assurance and quality control, sampling protocols, sample handling, instrumentation and data analysis. Lecture 3 hours. Prerequisite: Graduate standing. (Typically offered: Spring Even Years)

ENSC 5401. Professional Certification Preparation. 1 Hour.
This class is meant to reinforce concepts and skills already learned in other soil and environmental science and related courses and to provide the opportunity to prepare to take a national certification examination. If so chosen, students may pursue certification as soil or environmental science professionals. (Typically offered: Spring)