Northwest Arkansas Community College
Division of Science & Mathematics

ENSC 2413 Environmental Compliance Documentation

Catalog Description: This course is an overview of the regulations which affect the environment. Federal regulations included are EPA, SARA, CERCLA, and RCRA. OSHA's role in worker protection in environmental mishaps is also discussed.

Prerequisite: There are no prerequisites for the course.

Credit hours/ Contact hours/ Load hours: 3/3/3

Target Audience/Transferability: Successful completion of this course should prepare students for successful further study in environmental and regulatory science. This is a required course for Technical Certificate in Environmental & Regulatory Science and the Environmental & Regulatory Science AAS Degree. ENSC 2413 will transfer to the University of Arkansas at Fayetteville in the Environmental, Soil, and Water Science as elective credit. ENSC 2413 will also transfer to Missouri Southern State University and Northeastern Oklahoma State University at Tahlequah, Oklahoma.

Required Material: Goldsteen, The ABC's of Environmental Regulations 2nd Edition, 2006

Student Learning Outcomes: Students completing this course will:

- Summarize the NEPA guidelines and regulations needed for working in the environmental field.
- Discuss the environmental challenges and concerns within the Northwest Arkansas region.
- Discuss the aspects of the environmental site assessment process.
- Identify characteristics of hazardous waste identification.
- Discuss national ambient air quality standards including air toxins specific to Northwest Arkansas.
- Summarize current pollution prevention treatment and technologies.

Topics:

- Overview of Federal Statutes
- Basic Hazardous Waste Toxicology
- Clean Air Act, RCRA, CERCLA
- Emergency Planning and Right to Know under SARA Title III
- Pesticides under FIFRA
- Toxic Substances under TSCA
- Spills and Radioactive Waste
- Remediation Technology
- Enforcement, Liability, Compliance, and Response
- Risk Assessment
- Indoor Air Quality

Forms of Assessment: None