

## **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.

**Prerequisites:** 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. Transferability should be confirmed with other receiving institutions.

**Required Material:** No textbook required. Instructor will supply study materials or web links to online sources.

**Student Learning Outcomes:** Students completing this course will:

- Explain how environmental laws and regulations are made, and how different levels of government are responsible for oversight and enforcement of regulations.
- Summarize the NEPA guidelines and regulations needed for working in the environmental field.
- Describe the environmental challenges and concerns within the Northwest Arkansas region.
- Discuss hazardous waste laws and regulations, and hazardous waste identification. Identify characteristics of hazardous waste identification.
- Identify and apply Clean Air Act laws and regulations, including the National Ambient Air Quality Standards and air pollution control technologies
- Interpret laws and regulations relating to surface waters, ground water, drinking water, and waste water discharges.
- Summarize laws and regulations relating to environmental releases (spills) of pollutants, and remediation of contaminated sites.
- Differentiate the principles of sustainability, pollution prevention, and environmental managements systems.
- Analyze, evaluate and solve problems of environmental management by applying their understanding of principles learned.
- Identify and use web based information sources to further their knowledge of emergency management.

**Topics:**

- Overview of Federal Statutes
- Basic Hazardous Waste Toxicology

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Division of Science & Mathematics

- 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:** Variable methods, which include quizzes, exams, research papers, etc.