

ENSC 2301L Hazardous Material and Emergency Response Lab

Catalog Description: Laboratory course for compliance with 29CFR 1910.120 Appendix E for Hazwoper- allows an environment that permits each student to have experience performing tasks, making decisions, or using equipment appropriate to the job assignment for which the training is being conducted.

Prerequisite: Students must have completed ENSC 2303 (Hazardous Materials Control & Emergency Response), or be concurrently enrolled, or have instructor permission.

Credit hours/ Contact hours/ Load hours: 1/3/1

Target Audience/ Transferability: Successful completion of this course should prepare students for successful further study in environmental and regulatory science. ENSC 2303 will transfer to the University of Arkansas at Fayetteville in the Environmental, Soil, and Water Science as elective credit. ENSC 2303 will also transfer to Southern Missouri, University and Northeastern Oklahoma State University at Tahlequah, Oklahoma.

Student Learning Outcomes: Students completing this course will:

- Demonstrate donning and doffing of air purifying and supplied air respirators.
- Demonstrate donning and doffing of personal protective clothing for hazardous materials response.
- Identify and demonstrate the use of monitoring equipment for hazardous material incidents.
- Apply the principles of hazardous materials response to practical field exercises.

Topics:

- An overview of emergency response
- Identification/characteristics of hazardous materials
- Hazardous material containments/absorbents
- Personal protective equipment
- Respiratory protection
- Incident Command System
- Emergency planning and response
- Spill simulations
- Treatment methods of hazardous waste
- OSHA 1910.120 (q)

Forms of Assessment: None