



Broward Community College

Course Outline

STATUS: A

COMMON COURSE NUMBER: EVR 1868L

COURSE TITLE: Environmental Regulations II Laboratory

CREDIT HOURS: 1

CONTACT HOURS BREAKDOWN:

Lecture/Discussion	<u> 00 </u>
Lab	<u> 32 </u>
Other	<u> 00 </u>
Contact Hours/Week	<u> 2 </u>

CATALOG COURSE DESCRIPTION:

Prerequisite: EVR 1862

Co requisite: EVR 1868

This course will provide environmental technologists in the hazardous materials area with an actual or simulated experience in applying the regulations and compliance methods specific to their area. Topics to be covered will include OSHA, DOT, RCRA, CERCLA, TSCA, FIFRA, EPA, superfund, and clean air, land, and other issues. Special fee charged.

General Education Requirements - Associate of Arts Degree, meets Area(s):
 General Education Requirements - Associate in Science Degree, meets Area(s):

UNIT TITLES:

1. Methods for Identification and Listing
2. Methods for Regulations and Compliance
3. Applying Hazardous Material Regulations

I. Course Overview:

Upon successful completion of this course, the students should be able to demonstrate an understanding of the regulations that apply to hazardous materials, their application, and methods needed to ensure compliance.

II. Units:

Unit 1. Methods for Identification and Listing

General Outcome:

- 1.0 The students should be able to apply the Department of Transportation (DOT) rules and procedures associated with the labeling and transportation of hazardous materials in a field situation.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 Select and display appropriate markings on various categories of hazardous materials.
- 1.2 Prepare a sample dangerous cargo manifest.
- 1.3 Apply the rules that apply to motor carriers engaged in the transportation of hazardous materials.
- 1.4 Apply the regulations governing the loading, unloading and handling of hazardous materials shipped by train and aircraft.

Unit 2. Methods for Regulations and Compliance

General Outcome:

2.0 The students should be able to carry out record keeping and reporting requirements for hazardous materials.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

2.1 Complete the primary record keeping and reporting requirements for hazardous materials.

2.2 Prepare a permit application.

2.3 Prepare a Uniform Hazardous Waste Manifest.

2.4 Apply TSD regulations and standards.

2.5 Implement appropriate actions to meet RCRA requirements.

Unit 3. Applying Hazardous Material Regulations

General Outcome:

3.0 The students should be able to interpret and apply various hazardous materials regulations including those of RSPA, EPA, FIFRA, and TSCA.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 3.1 Apply RSPA, FIFRA, and TSCA regulations and standards.
- 3.2 Apply for EPA site approval.
- 3.3 Investigate, document, and plan remediation for a superfund site.
- 3.4 Carry out precautionary procedures for radiation exposure required in restricted areas.
- 3.5 Apply Florida's hazardous materials regulations and local regulations.