



# Broward Community College

## Course Outline

STATUS: A

COMMON COURSE NUMBER: EVR 1858

COURSE TITLE: Environmental Regulation

CREDIT HOURS: 3

**CONTACT HOURS BREAKDOWN:**

Lecture/Discussion	<u>48</u>
Lab	<u>0</u>
Other	<u>0</u>
Contact Hours/Week	<u>48</u>

**CATALOG COURSE DESCRIPTION:**

Prerequisite: None

Corequisite: None

This course deals with the purpose of federal, state, and local environmental law and its impact on South Florida and the larger world community. Reason for protection of the environment, compliance with legislation, and the concept of due diligence are emphasized. Extensive use of the case studies approach will be used to illustrate the application of law.

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

**UNIT TITLES:**

1. Introduction and History of Federal, State and Local Environmental Legislation
2. Air Legislation
3. Natural Resources Legislation
4. Waste Management and Transportation
5. Hazardous Materials and Petroleum Products
6. Contaminated Land
7. Compliance and Enforcement
8. Factors Impacting Environmental Management – Environmental Audits
9. Due Diligence, A Result of Ethics, Training and Good Management

## **I. Course Overview:**

Upon successful completion of this course, the students should be able to define the basic legal legislative terms as applied to environmental law; name the various legislative, environmental and regulatory bodies in the United States, Florida and Broward County and define the relationships between them; list the principal federal, state and local acts involving environmental matter; and apply relevant air legislation to specific scenarios.

## **II. Units:**

### **Unit 1. Introduction and History of Federal, State and Local Environmental Legislation**

#### General Outcome:

- 1.0 The students should be able to demonstrate an understanding of the underlying reason for environmental and occupational safety regulations in the United States and world.

#### Specific Learning Outcomes:

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

- 1.1 Discuss, identify, list, state, etc., early health/environmental regulations (i.e., English Water Law).
- 1.2 Identify major international environmental laws/treaties.
- 1.3 Identify major federal environmental and occupational safety laws.
- 1.4 Identify major state and local environmental legislation.
- 1.5 Discuss regulatory status.

## Unit 2 Air Legislation

### General Outcome:

- 2.0 The students should be able to understand the technical and legal theories behind air quality regulation.

### Specific Learning Outcomes:

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

- 2.1 Define the broad classifications of air pollution control including preprocess, process and post process.
- 2.2 Identify different approaches to air pollution control including preprocess, process and post process.
- 2.3 Identify prominent elements of the Clean Air Act and state and local air quality regulations.
- 2.4 Describe compliance, monitoring, monitoring methods, and reporting concepts.
- 2.5 Discuss current regulatory status.

## Unit 3. Natural Resources Legislation

### General Outcome:

- 3.0 The students should be able to understand the technical and legal theories behind water, uplands/trees and wetlands legislation.

### Specific Learning Outcomes:

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

- 3.1 Articulate the basic reasons for regulating water, uplands/trees and wetlands.
- 3.2 Identify the basic elements of water uplands/trees and wetlands regulation including quantity, quality and function.
- 3.3 Identify prominent elements of the Clean Water and Safe Water Drinking Acts and state and local regulations related to water, uplands/trees and wetlands.
- 3.4 Describe compliance, monitoring and, monitoring methods, and regulatory concepts.
- 3.5 Discuss regulatory status.

## Unit 4. Waste Management and Transportation

### General Outcome:

- 4.0 The students should be able to demonstrate a familiarity with the basics of waste management and transportation regulations.

### Specific Learning Outcomes:

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

- 4.1 Discuss the basic reasons for regulating waste management and transportation.
- 4.2 Identify the basic elements of waste management and transportation including collection, storage, tracking and disposal.
- 4.3 Identify major federal, state and local regulations related to waste management and transportation.
- 4.4 Describe compliance, monitoring and regulatory concepts.
- 4.5 Discuss regulatory status.

## Unit 5. Hazardous Materials and Petroleum Products

### General Outcome:

- 5.0 The students should be able to demonstrate familiarity with the basics of hazardous materials and petroleum products regulations.

### Specific Learning Outcomes:

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

- 5.1 Articulate the basic reasons for regulating of hazardous materials and petroleum products regulations.
- 5.2 Identify the basic elements of hazardous materials and petroleum products including collection, tracking and disposal.
- 5.3 Identify major federal, state and local regulations related to hazardous materials and petroleum products.
- 5.4 Discuss compliance, monitoring and regulatory concepts.
- 5.5 Discuss regulatory status.

## Unit 6. Contaminated Land

### General Outcome:

- 6.0 The students should be able to demonstrate a familiarity with the basics of contaminated land regulations.

### Specific Learning Outcomes:

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

- 6.1 Discuss the basic reasons for regulating contaminated land.
- 6.2 Identify the basic elements of contaminated land regulation including site evaluation, clean up and close out.
- 6.3 Identify major federal, state and local regulations related to contaminated land.
- 6.4 Discuss compliance, monitoring and regulatory concepts.
- 6.5 Discuss regulatory status.

## Unit 7. Compliance and Enforcement

### General Outcome:

- 7.0 The students should be able to recognize the basic tools available for compliance and enforcement.

### Specific Learning Outcomes:

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

- 7.1 Identify commonly used compliance measures such as self audits, monitoring reports, etc.
- 7.2 Distinguish between administrative and judicial enforcement actions.
- 7.3 Identify appropriate appeal procedures.

## Unit 8. Factors Impacting Environmental Management Environmental

### General Outcome:

- 8.0 The students should be able to identify and evaluate the environmental issues and consequences related to a certain business or industry.

### Specific Learning Outcomes:

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

- 8.1 Identify the various alternatives to address or comply with environmental regulations.
- 8.2 Identify the benefits and costs of the various alternatives.
- 8.3 Select the most effective alternative for dealing with issues.
- 8.4 Identify major concepts in environmental audits.

## **Unit 9. Due Diligence, A Result of Ethics, Training and Good Management**

### General Outcome:

- 9.0 The students should be able to understand the basic elements and concept of due diligence, a result of ethics, training and good management.

### Specific Learning Outcomes:

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

- 9.1 Describe the principles and liabilities related to the term "ethics".
- 9.2 Discuss the ramifications of inadequate training as related to environmental aspects of running a business.
- 9.3 Explain how good management melds all the foregoing issues.