



Broward Community College

Course Outline

STATUS: A

COMMON COURSE NUMBER: BCT1767

COURSE TITLE: OSHA Standards

CREDIT HOURS: 1

CONTACT HOURS BREAKDOWN:

Lecture/Discussion	<u> 16 </u>
Lab	<u> </u>
Other	<u> </u>
Contact Hours/Week	<u> 1 </u>

CATALOG COURSE DESCRIPTION: This course is designed to give students an awareness of the hazards associated with the construction industry's working environment. Emphasis is on OSHA regulations and the knowledge to improve the overall safety on a job site. At the successful conclusion of the course students receive OSHA certification.

Prerequisite:

Corequisite:

UNIT TITLES:

1. Origins & Purpose of OSHA Occupational Safety & Health Administration
2. Electrical Standards
3. Fall Protection
4. Stairways & Ladders
5. Scaffolding
6. Materials Handling, Storage, Use & Disposal
7. Personal Protective & Lifesaving Equipment
8. Hand & Power Tools
9. Certification

I. Course Overview: Upon successful completion of the course students should demonstrate an understanding of OSHA safety and health standards as related to the construction industry.

II. Units:

Unit 1. 1. Origins & Purpose of OSHA

General Outcome:

1.0 The students should be able to demonstrate an understanding of the origins and purpose of OSHA, what they do, why they were formed, where they inspect and when they inspect.

Specific Learning Outcomes:

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

- 1.1 Describe OSHA'S "General Duty Clause."
- 1.2 Understand the definition of a "competent person."
- 1.3 Describe the origins and purpose of OSHA.
- 1.4 Describe what OSHA does.
- 1.5 Explain where OSHA inspects.
- 1.6 Understand when OSHA inspects.
- 1.7 Understand OSHA's general safety and health provisions [29CFR 1926.20 through 1926.35]

Unit 2. 2. Electrical Standards

General Outcome:

2.0 The students should be able to describe the requirements of OSHA's electrical standards and discuss the applicable provisions of these standards.

Specific Learning Outcomes:

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

2.1 Understand and describe OSHA's electrical standards found in 29CFR 1926.400 through 449.

2.2 Apply the standard to a project or site.

Unit 3. 3. Fall Protection

General Outcome:

3.0 The students should be able to describe OSHA's standards regarding fall protection, and discuss the application provisions of these standards.

Specific Learning Outcomes:

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

3.1 Understand and describe OSHA's fall protection standards found in Subpart M, 29 CFR 1926.500 through 1926.503.

3.2 Apply the standard to a project or site.

Unit 4. 4. Stairways and Ladders

General Outcome:

4.0 The students should be able to describe OSHA's standards regarding stairways and ladders, and discuss the application provisions of these standards.

Specific Learning Outcomes:

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

4.1 Understand and describe OSHA's standards regarding stairways and ladders as found in Subpart X, 29 CFR 1926.1050 through 1926.1060.

4.2 Apply the standard to a project or site.

Unit 5. 5. Scaffolding

General Outcome:

5.0 The students should be able to describe OSHA's scaffolding standards, describe the various types of scaffolding utilized in construction, discuss the application provisions of these standards.

Specific Learning Outcomes:

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

5.1 Understand and describe OSHA's fall protection standards found in Subpart M, 29 CFR 1926.500 through 1926.503.

5.2 Apply the standard to a project or site.

Unit 6. 6. Materials Handling, Storage, Use and Disposal

General Outcome:

6.0 The students should be able to describe OSHA standards regarding materials handling, storage, use and disposal.

Specific Learning Outcomes:

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

6.1 Understand and describe OSHA's standards regarding materials handling, storage use and disposal as found in Subpart H, 29 CFR 1926.250 through 1926.252.

6.2 Apply the standard to a project or site.

Unit 7. 7 Personal Protective and Lifesaving Equipment

General Outcome:

7.0 The students should be able to have an understanding of OSHA standards for personal protective and lifesaving equipment.

Specific Learning Outcomes:

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

7.1 Understand and describe OSHA's standards regarding personal protective and lifesaving equipment as found in Subpart E, 29 CFR 1926.95 through 1926.107.

7.2 Apply the standard to a project or site.

Unit 8. 8. Hand and Power Tools

General Outcome:

8.0 The students should be able to describe OSHA's standards for hand and power tools and discuss the applicable provisions of these standards.

Specific Learning Outcomes:

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

8.1 Understand and describe OSHA's hand and power tool standards found in Subpart I, 29 CFR 1926.300 through 1926.307.

8.2 Apply the standard to a project or site.