

## Master Syllabus

### CAT 2431 - OSHA Construction Standards

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 2.0

**Lecture Hrs:** 2.0

**Date Revised:** October 2013

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#### Course Description:

Rules, interpretations, record keeping and standards required by Occupational Safety & Health Administration (OSHA) (29CFR Part 1926) for the construction industry to ensure employees a safe, healthful workplace. Successful completion of the course provides the 30 hour OSHA Construction Safety Card.

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

#### Course Outcomes:

##### Federal safety requirements

Describe the federal safety requirements.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### Terminology

Define and use correctly the terms used in OSHA (29CFR Part 1926).

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### Personal protective equipment

Describe the circumstances when approved personal protective equipment must be worn and the appropriate personal protective equipment for the given circumstance.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### General safety and health provisions

Identify the general safety and health provisions required during construction.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### Occupational health and environmental controls

Describe required occupational health and environmental controls.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### Asbestos control techniques

Describe the methods of asbestos control techniques for removal, renovation, and demolition.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### Maintenance of personal protective equipment

Demonstrate the use and maintenance of personal protective equipment.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

##### General fire protection program

Indicate what must be included in a general fire protection program.

**Assessment Method:** Standardized national examinations

**Performance Criteria:** 70% or better on exam

#### Outline:

Introduction and general interpretations  
General safety and health provisions  
Occupational health and environmental controls  
Personal protective equipment  
Fire protection and prevention  
Hazard communications (HAZCOM)  
Signs, signals and barricades  
Material handling  
Storage, use and disposal of tools (hand and power)