



MONROE COUNTY
COMMUNITY COLLEGE

Course Outcome Summary

Required Program Core Course

CONM 202 – Construction Safety

Course Information

Division	ASET
Contact Hours	45
Theory	45
Lab Hours	0
Total Credits	3

Prerequisites: RDG 090 and MATH 090 or qualifying scores on accepted placement tests or Instructor Consent

Course Description: Construction safety has undergone a substantial evolution in the past century. This evolution of occupational safety has significantly improved safety performance in the construction industry. However, it appears that this improvement has plateaued, and the industry is facing difficulties in achieving further improvements, while injuries and fatalities still occur on a regular basis. Despite having an important role in the global and national economies, the construction industry has a notorious reputation as being one of the most dangerous industrial sectors. This course is designed to provide students with an opportunity for an in-depth study of construction safety and the importance of employee safety and health in the construction industry. The code of federal regulations (29 CFR 1926) and MIOSHA construction standards are examined. Emphasis will be placed on the interpretation and application of government regulations.

This course is a required core course for students pursuing an AAS in Construction Management Technology.

Program Outcomes Addressed by this Course:

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- B. Define the roles, relationships and responsibilities of the participants in the design and construction process.
- C. Use clear and effective written and oral communication methods to facilitate interaction with all project team participants.
- H. Interpret and apply applicable building codes and regulations in construction processes.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.



Course Outcomes

In order to evidence success in this course, the students will be able to:

1. Demonstrate knowledge of how to evaluate accident statistics and cost of accidents.

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.

2. Demonstrate knowledge of safety program essentials and develop a corporate safety program, job site safety plan.

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- C. Use clear and effective written and oral communication methods to facilitate interaction with all project team participants.
- H. Interpret and apply applicable building codes and regulations in construction processes.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.

3. Identify and evaluate specific hazards associated with the different phases of construction.

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.

4. Develop control strategies to eliminate or reduce the risk associated with the specific hazards associated with the phases of construction

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.

5. Locate OSHA and MIOSHA Standards references applicable to specific hazardous conditions and practices and understand in using the Federal Standards 29 CFR to identify specific violations.

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.



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6. Understand and describe management, employee roles, and responsibilities for job site safety and health.

In addition, following program outcomes are met by above outcome.

- A. Analyze, interpret and understand the fundamental processes used to create project designs and construction documents.
- B. Define the roles, relationships and responsibilities of the participants in the design and construction process.
- J. Utilize a working knowledge of safety, health, and environmental issues related to construction activities.

Date Updated: 10/11/2023
By: Emrah Kazan