



BCCM 1010

Division: Career and Technical Education

Department: Construction Technology

Course: BCCM 1010

Title: Construction Safety

Catalog Description:

This course includes Occupational Safety and Health Act requirements and common safety rules for hand tools, power tools, ladders, scaffolds, etc. The course also covers disposal of hazardous wastes and maintenance of a clean environment. This is a half semester class.

General Education Requirements: N/A

Semesters Offered: Fall 1

Credit/Time Requirement: Credit: 1; Lecture: 1; Lab: 0

Clock/Hour Requirements: 15

Offered for Non-Credit: Yes

Prerequisites: N/A

Corequisites: N/A

Justification:

This is a background course required for construction majors and recommended by the program advisory committee.

Student Learning Outcomes:

Upon successful completion of this course, students will understand:

- the federal regulations on the proper installation of railings used for fall protection
- Snow College Fall Protection Plan and its importance to their safety
- the use of safety harnesses, their proper care, and situations where they are required
- the need for safety glasses, the value of eyes and their protection
- the need for the protection of their feet and the use of steel-toed shoes or removable toe protection
- the use of guards and shields for power tools
- the dangers and protection required with the use of air tools
- what MSDS stands for and how to read and understand the information contained
- the proper storage and disposal of hazardous materials
- the proper use and hazards involved with the use of ladders and scaffolding.

Content:

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This course will include:

- Snow College Fall Protection Plan
- power tool safety
- air tool safety
- ladder and scaffold safety
- OSHA requirements on fall protection
- use of harnessing and railing systems
- guards and shields
- MSDS forms and their meaning
- hazardous materials and the proper use and storage
- safety glasses and other eye protection
- gloves and hand protection
- safety-toed shoes or other foot protection.

General Education Outcomes:

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Each student will know the importance of all safety practices that need to be exercised while constructing a residential home.

3) Students will demonstrate safe practices and awareness of potential hazards in their field of expertise.

Each student will know and practice safety in the building construction field, from hammers to power tools, to a clean job site.

4) Students will demonstrate interpersonal skills specific to the skills and environment inherent in their field.

All students will know the importance of communication between co-workers, employers, or employees about a safe work environment.

Key Performance Indicators:

Student Learning Outcomes will be assessed by one or more of the following Key Performance Indicators:

- performance on the job
- exams/Quizzes (written or oral)
- written and oral reports

Representative Text and/or Supplies:

- Publications from U.S. Department of Labor
- *Safety Quarterly* Publications
- *Fall Protection Compliance Kit*, produced by National Association of Home Builders.

Optimum Class Size: 20

Maximum Class Size: 25

Signatures:

I hereby submit this course syllabus:

Marlin Christensen, M. Ed., Instructor

I hereby find this course consistent with the goals and resources of the Construction Technology Department:

Marlin Christensen, M. Ed., Instructor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)