

**WASHTENAW COMMUNITY COLLEGE
COURSE-SYLLABUS APPROVAL FORM (CSAF)**

APP 111

SECTION III. COURSE SYLLABUS

A. COURSE DETAILS

Discipline & No.: APP 111 **Title:** Safety & Health

1. Description:

This course is designed to familiarize students with the Occupational Safety and Health Administrations (OSHA) standards for safety and health in the construction industry. The course specifically covers topics such as: responsibilities of the contractor; Identification of hazards on the jobsite. What to do when hazards are found on the job site. how to work safely. the right to know law and the proper use of safety equipment.

2. Credit Hours: 03

If Variable credit, Give Range:
_____ to _____ credits

If repeatable for credit, how
many times _____

3. Contact Hours per Semester:

Lecture: 30
Lab: 30
Clinical: _____
Other: _____
Total Contact Hours: 60

4. Class Capacity: 24

5. Course Options:

- ☐ Distance learning

☐ Honors

☐ P/NP Grading

6. Prerequisite(s)

and/or "C" Course	Min Grade	*Concurrent Enrollment	Test Name	Min. Score	**Level "C"	1	2	Other Prerequisites
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____
☐ ☐ _____	_____	☐	_____	_____	_____	☐	☐	_____

Consent Required ☐

7. Corequisites:

8. Course Purpose:

- ☒ Program Requirement
☐ General Education
☐ Program Support
☐ Basic Skills/Developmental
☐ Transfer
☐ Industry/Professional Dev
☐ Enrichment

If a program requirement, specify the program(s)

Local 190 apprenticeship program

Please send syllabus for Transfer evaluation to:

- ☐ EMU
☐ UM
☐ _____
☐ _____
☐ _____
☐ _____

Accepted for transfer:

- ☐ EMU
☐ UM
☐ _____
☐ _____
☐ _____
☐ _____

9. Terms Course will be offered:

Terms	Session Length (e.g. 15 weeks, 1 st 7½ weeks, etc.)	Day	Eve	Even years only	Odd years only
☒ Fall	<u>15 weeks</u>	☐	☒	☐	☐
☒ Winter	<u>15 weeks</u>	☐	☒	☐	☐
☒ Spr/Summer	<u>15 weeks</u>	☐	☒	☐	☐

B. MAJOR INSTRUCTIONAL UNITS

1. Job safety and health
2. First aid and CPR
3. Confined space training
4. Asbestos awareness training
5. Disease information

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C. INSTRUCTIONAL OBJECTIVES

Unit #1 Job safety and health

The student will:

1. Define and describe the history of OSHA
2. List the responsibilities of the contractor
3. List the responsibilities of an employee
4. Describe how to identify hazards on the job
5. List actions that should be taken when hazards are found on the job
6. Describe the requirements of the right to know manual
7. Demonstrate how to apply safe work practices in a variety of work situations
8. Describe and demonstrate the proper use of safety equipment
9. Identify the types of safety equipment that is required in different work situations

Unit #2 First aid & CPR

The student will:

1. Demonstrate competency with administering basic first aid
2. Demonstrate ability to administer CPR
3. Demonstrate proficiency in rescue breathing

Unit #3 Confined space training

The student will:

1. Describe the safety procedures to be followed when working in vaults, ditches, and tanks
2. Describe and demonstrate OSHA safety procedures to follow when working in pits
3. Demonstrate proficiency in the use of breathing tanks
4. Describe and demonstrate proficiency in the procedures for rescue training
5. Describe and demonstrate OSHA requirements for ventilating confined spaces

Unit # 4 Asbestos awareness training

The student will:

1. Describe how to recognize asbestos
2. Describe the actions to be taken when asbestos is encountered
3. Describe the effects of asbestos in the body

Unit #5 Disease Information

The student will:

1. Describe the potential dangers of work being conducted in hospitals, labs, clinics, and around chemicals
2. Describe precautions to be taken when working in hospitals, labs, clinics, and around chemicals
3. List resources for information on chemicals and disease infested pipes

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D. INSTRUCTIONAL METHODS, EVALUATION CRITERIA, AND ASSESSMENT

1. Instructional Methods:

☐ Lecture/Discussion _____ ☒ Clinical Instruction _____ ☒ Laboratory Assignments _____ ☐ Internet Assignments _____ ☐ Computer Simulations _____ ☐ On-Site Work Experience _____ ☐ Team Assignments _____ ☐ Demonstrations _____	☐ Performances _____ ☐ Group Critiques _____ ☐ Field Trips _____ ☐ Telecourse _____ ☐ ITV Course _____ ☐ Self-Paced Instruction _____ ☒ Other Seminar _____ ☐ Other _____
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2. Evaluation Criteria:

☒ Attendance _____ ☒ Class Discussion _____ ☒ Papers _____ ☐ Portfolios _____ ☐ Projects _____ ☐ Reports _____ ☐ Clinical Assignments _____ ☒ Home Work _____	☒ Quizzes _____ ☒ Tests _____ ☐ Midterm _____ ☒ Final Exam _____ ☐ Presentations _____ ☐ Individual Performance _____ ☐ Group/Team Performance _____ ☐ Other _____
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3. Assessment of Student Achievement:

☐ Departmental Exam _____ ☐ Follow-on Tracking _____ ☐ Standardized Test _____ ☐ Portfolio Assessment _____	☒ Pre-test/Post-test _____ ☐ Simulations _____ ☐ Comprehensive Project _____ ☐ Other _____
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F. EQUIPMENT, FACILITIES, TEXTS, MATERIALS, AND SUPPLIES

1. Special Equipment/Facilities :

☐ Lab equipment _____ ☐ Computer Lab _____ ☐ CD ROM's _____ ☐ Data Projector/Screen _____ ☐ VCR _____ ☐ TV Monitor _____	☐ ITV Classroom _____ ☐ Off-Campus Sites _____ ☐ Testing Center _____ ☐ Other _____ ☐ Other _____ ☐ Other _____
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2. Texts:

Title: UA material supplied by Local 190

Author: _____

Copyright Yr: _____

Publisher: _____

Est. Cost: _____

Title: _____

Author: _____

Copyright Yr: _____

Publisher: _____

Est. Cost: _____

Title: _____

Author: _____

Copyright Yr: _____

Publisher: _____

Est. Cost: _____

Title: _____

Author: _____

Copyright Yr: _____

Publisher: _____

Est. Cost: _____

Additional Texts:

3. Supplies and/or Uniforms students will have to Acquire: (e.g. calculators, uniforms, tools, etc.)

Descriptions

Cost Estimates

4. Reference Materials that will be used: (e.g. journals, books, manuals, maps, LRC reserves, etc.)

Title/Name

Location

5. Computer Software that will be used:

Title/Name

Location

6. Audio/Visual Materials that will be used: (e.g. films, video tapes, slides, audio tapes, CDs, etc.)

Title/Name

Location

Course: APP 111

Title: Safety and Health

Course

Description: This course is designed to familiarize students with the Occupational Safety and Health Administration's (OSHA) standards for safety and health in the construction industry. The course specifically covers topics such as: responsibilities of the contractor, identifying hazards on the jobsite, what action to take when hazards are found on the job site, how to work safely, familiarization with the right to know law and the proper use of safety equipment.

Outline:

- I. Job safety and health**
 - A. The history of OSHA
 - B. Contractor responsibilities
 - C. Employee responsibilities
 - D. How to identify hazards on the job
 - E. Actions to be taken when hazards are found on the job
 - F. Requirements of the right to know manual
 - G. Safe work practices
 - H. The proper use of safety equipment
 - I. Types of safety equipment to be used in different work situations
- II. First aid & CPR**
 - A. Administering basic first aid
 - B. CPR
 - C. Rescue breathing
- III. Confined space training**
 - A. Working in vaults, ditches, and tanks
 - B. OSHA requirements for working in pits
 - C. Proper use of breathing tanks
 - D. OSHA requirements for rescue training
 - E. OSHA requirements for ventilating confined spaces
- IV. Asbestos awareness training**
 - A. Recognizing asbestos
 - B. Effects of asbestos in the body
- V. Disease Information**
 - A. Potential dangers of working in hospitals, labs, clinics, and around chemicals
 - B. Locating resources for information on chemicals and disease infested pipes