

Washtenaw Community College Comprehensive Report

UAT 197 Special Hazard Fire Protection ASSE 27010 (UA 7010) Effective Term: Spring/Summer 2024

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: United Association Department (UAT Only)

Discipline: United Association Training

Course Number: 197

Org Number: 28200

Full Course Title: Special Hazard Fire Protection ASSE 27010 (UA 7010)

Transcript Title: Spec Hazard Fire Protect 7010

Is Consultation with other department(s) required: No

Publish in the Following:

Reason for Submission: New Course

Change Information:

Rationale: New United Association course

Proposed Start Semester: Fall 2024

Course Description: In this course, students will identify the codes and policies of special hazards systems and life safety systems for fire protection as listed in the National Fire Protection Association (NFPA) standard 770. Students will experience in a hands-on lab environment the setup, operation, and testing of special hazards systems, including life safety systems in preparation for taking the national certification test. Participants will also review the setup and operation of the special hazards systems trailer that can be utilized for instruction at local Training Centers. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 1.5

The following Lecture Hour fields are not divisible by 15: Student Min ,Instructor Min

Lecture Hours: Instructor: 22.5 Student: 22.5

The following Lab fields are not divisible by 15: Student Min, Instructor Min

Lab: Instructor: 1.5 Student: 1.5

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 24 Student: 24

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the procedures and policies relevant to the installation of special hazards systems and life safety systems in accordance with NFPA Standard 770.

Assessment 1

Assessment Tool: Outcome-related written exam questions

Assessment Date: Fall 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

2. Demonstrate the process to safely set-up, operate, activate, and reset the specific hybrid system of the special hazards system.

Assessment 1

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

3. Demonstrate how to set-up, operate, activate, and reset the specific hybrid system safely.

Assessment 1

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

Course Objectives

1. Identify the codes and standards that relate to the installation of special hazards fire protection systems.
2. Discuss the best practices for setup, operation, and maintenance of special hazards fire protection systems.
3. Identify equipment and procedures used in testing the special hazards systems.
4. Identify the personal protective equipment (PPE) and the safety precautions used when installing, testing, and operating special hazards fire protection systems.
5. Review the documentation, material, and qualifications required to take the NFPA certification and practical exam.

6. Discuss lesson plans, hands-on practices, and educational techniques for instructors to incorporate in their class at their local Training Centers.
7. Review setup and operation of a special hazards system trailer.
8. Discuss the requirements and documentation needed for utilizing the special hazards system trailer at the students' local Training Center.
9. Discuss the best practices, common problems, and troubleshooting techniques for operating special hazard systems.
10. Discuss the design installation and building requirements when utilizing the hybrid fire extinguishing system.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Tony Esposito</i>	<i>Faculty Preparer</i>	<i>Feb 02, 2024</i>
Department Chair/Area Director: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>May 02, 2024</i>
Dean: <i>Eva Samulski</i>	<i>Recommend Approval</i>	<i>May 07, 2024</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Jul 30, 2024</i>
Assessment Committee Chair: <i>Jessica Hale</i>	<i>Recommend Approval</i>	<i>Jul 30, 2024</i>
Vice President for Instruction: <i>Brandon Tucker</i>	<i>Approve</i>	<i>Jul 31, 2024</i>