

University of Illinois Fire Service Institute

Course Syllabus

Course Title: Hazardous Materials Awareness - OSHA

Course Duration: 4 hours

Program: Hazardous Materials

Course Prerequisites: None

Course Description:

This course will provide Awareness level personnel, with the knowledge and skills to: understand what hazardous materials are and the risk associated with them in an incident; recognize the presence of hazardous substances in an emergency; have understanding of the U.S. Department of Transportation Emergency Response Guidebook; realize the need for additional resources, call for appropriate assistance, and to make appropriate notifications to the community.

This course is intended for personnel who need to meet the requirements of OSHA 29 CFR 1910.120(q) only. This course is NOT intended for those personnel who need to meet the requirements of NFPA 1072.

Course Requirements and/or Recommendations:

Pre-Course Work: None

Course Work: Attend 100% of course and take end of course quiz.

Post-Course Work: None

Course Policies:

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students **MUST COMPLETE** all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager.

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The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student's absence is greater than 20% refer to "True Emergencies" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course. For courses requiring

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

Grading Policy: Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. All grading of exams shall be conducted by the Curriculum/Testing Office. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

Retesting: If a student fails to pass an exam, retesting takes place on set dates at regional sites across the state. More information is provided in the course completion e-mail and on the IFSI website.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.

Evaluation Strategy: Student will take an end of course quiz.

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Course Content:

Module 1: Rights and Responsibilities

Terminal Learning Objective:

At the conclusion of this module, the student will *explain* the influences that laws, regulations, and standards have on the management of hazardous materials/WMD incidents.

Module 2: Health Hazards of Hazardous Materials

Terminal Learning Objective:

At the conclusion of this module, the student will *identify* the health hazards of hazardous materials.

Module 3: Hazardous Materials Identification

Terminal Learning Objective:

At the conclusion of this module, the student will be able to *identify* the presence of hazardous materials based on clues given by the incident.

Module 4: Basic Scene Decisions

Terminal Learning Objective:

At the conclusion of this module, the student will *demonstrate* how to make effective, basic scene decisions at a hazardous materials incident.

Reference List:

Noll, Gregory and Michael Hildebrand. *Hazardous Materials: Managing the Incident 4th Ed.* Jones & Bartlett Learning, 2014.

NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents 2013 Ed. Quincy, MA: National Fire Protection Association, 2013

Schnepf, Rob. *Hazardous Materials Awareness and Operations, 3rd Edition.* Jones & Bartlett Learning, 2019.

U.S. Department of Labor, *Code of Federal Regulations: Labor 29 CFR 1910.120.* Washington, D.C., Office of the Federal Register, National Archives and Records Administration, 1996.

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Course Schedule

<u>Event</u>	<u>Duration</u>
Introductions and Course Paperwork	15 minutes
Module 1: Rights and Responsibilities	30 minutes
Break	
Module 2: Health Hazards of Hazardous Materials	45 minutes
Break	
Module 3: Hazardous Materials Identification	1 hour and 30 min
Break	
Module 4: Basic Scene Decisions	30 minutes
Final Quiz	30 minutes

