



ALABAMA FIRE COLLEGE

HAZARDOUS MATERIALS AWARENESS AND OPERATIONS

SYLLABUS

FSC 161

40 CLOCK HOURS

Prerequisite(s)	<ul style="list-style-type: none"> 18 years of age
Course Description	<p>This course is based on NFPA 472: Standard for Professional Competence of Responders to Hazardous Materials Incidents. Successful completion of this course may lead to IFSAC and Pro Board certifications. This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency. First responders at the awareness level are expected to recognize the presence of hazardous materials, protect themselves, secure the area, and call for trained personnel. At the operational level, the first responder uses the knowledge gained from the awareness level to act in a defensive posture to protect people, the environment, or property from the effects of an unplanned hazardous materials release. This course meets the requirements of the mandatory Awareness/Operational training in hazardous materials required by Title III - Emergency Planning and Community Right-to-Know Act of 1986 and NFPA 472: Standard on Professional Competence of Responders to Hazardous Materials Incidents.</p>
Student Learning Objectives	<ul style="list-style-type: none"> Analyze the incident to determine both the hazardous materials present and the basic hazard and response information for each hazardous material. Implement actions consistent with the local emergency response plan, the organization's standard operating procedures, and the current edition of the <i>Emergency Response Guidebook</i>. Analyze a hazardous materials incident to determine the magnitude of the problem. Plan an initial response within the capabilities and competencies of available personnel, personal protective equipment, and control equipment. Implement the planned response to favorably change the outcomes consistent with the local emergency response plan and the organization's standard operating procedures. Evaluate the progress of the actions taken to ensure that the response objectives are being met safely, effectively, and efficiently.
Required textbook and Course Materials	<ul style="list-style-type: none"> <u>Hazardous Materials for First Responders, IFSTA, 4th Edition</u> <u>2016 Emergency Response Guide</u> <p><u>Other Equipment</u></p> <ul style="list-style-type: none"> NFPA turnout gear SCBA and spare bottle PASS device
Reading Prior to Arrival	<ul style="list-style-type: none"> Textbook material suggested
Daily Activities and Class Participation	<p>This course will involve discussion, questions and answers on the materials, and case studies. Class participation is expected from all students.</p>
Basis	<p>Alabama Fire College and Personnel Standards Commission, Administrative Code, Chapter 360-X-9-.01 &.02: Requirements for Certified Hazardous Materials First Responder at the Awareness and Operational Levels</p>
Certification Requirements	<p>To be issued certification, the candidate will:</p> <ul style="list-style-type: none"> provide documentation of prerequisites. complete required training hours including skills training. successfully complete cognitive written exam. successfully complete practical exam.
Grade Assessment	<ul style="list-style-type: none"> Written Examination: Perform to a minimum 70% competency on the examination, calculated at 50% of the final score for the course. (One retest is allowed after 30 days but within one year of course end date.)

	<ul style="list-style-type: none"> Practical Examination (if applicable): Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each level of skill sheets. Skill sheets will be randomly selected by AFC Certification Unit for this practical examination. The Practical Examination portion is calculated at 50% of the final score. (One retest is allowed after 30 days but within one year of course end date.) <p>Example:</p> <p>Written examination - 70/100 possible points $70 \times 50\% = 35$ points awarded for written exam portion</p> <p>Practical/project - 40/100 possible points $40 \times 50\% = 20$ points awarded for practical portion</p> <p>Total Points = 55 points (student awarded F, score not 70%>)</p>
Accreditation	Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification
Contact Information	<p>Link: Alabama Fire College Website 1-800-241-2467</p> <p>Link: Alabama Fire College Bookstore Website 1-866-984-3545</p>
Academic Misconduct	Academic misconduct or dishonesty, such as cheating and plagiarism, is not permitted in class. Suspected cases of academic misconduct will be reported to the Executive Director. Conduct detrimental to the fire service, on or off campus, will not be tolerated. AFC will investigate any complaints. If a complaint is valid, the student will be dismissed and his/her agency will be notified.
Attendance Policy	<p>Attendance will be recorded at every class or lab meeting at the beginning of class and after long breaks for required hours. For a week-long certification course, students are required to attend all sessions to obtain certification. For VA students, it is especially important because they will receive benefits only for those days in attendance.</p> <p>Special Policy: Fire Fighter I/II: Students are expected to attend all classes. Failure to appear in class for a scheduled activity will be considered an absence unless prior permission is received from the instructor. For any absence to be excused and makeup work allowed, it must be accompanied by a written description of extenuating circumstances.</p> <p>No-Show: Students who have registered for a fee-waived or stipend course and fail to withdraw, according to Alabama Fire College withdrawal policy, will not be allowed to register for another fee-waived or stipend course for a period of one year.</p> <p>Department Delivery: In order to qualify for department delivery courses, students must be an Alabama resident or a member of an Alabama fire department.</p>
Tardiness	Students must adhere to class schedules. Students are required to be punctual for all classes and class activities. Classes will begin promptly at the scheduled time unless specific instructions are given otherwise.
Safety	Safety of the students is the top priority for Alabama Fire College. Students must adhere to safety regulations while attending a class at the Fire College. Safety instructions are posted in every classroom, as well as escape routes and tornado actions.
Quality Enhancement Plan	An evaluation form will be provided for each student at the end of the course. Students may use this evaluation form as a means of communicating their opinion of the overall course, course content, instructor, and facilities.

Course Schedule	<p><i>Suggested Course Schedule</i></p> <p>Day One: Chapter 1- Intro to Haz Mat; Chapter 2- Haz Mat Identification; Chapter 3- Awareness level Actions at Haz Mat Incidents; Chapter 4- Chemical Properties & Haz Mat Behavior</p> <p>Day Two: Chapter 5- Incident Management; Chapter 6- Strategic Goals & Tactical Objectives; Chapter 7- Terrorist Attacks, Criminal Activities & Disasters; Chapter 8- Personal Protective Equipment; Chapter 9- Decontamination</p> <p>Day Three: Chapter 10- Product Control; Chapter 11- Air Monitoring & Sampling; Chapter 12- Victim Rescue & Recovery; Chapter 13- Evidence Preservation & Sampling; Chapter 14- Illicit Laboratories</p> <p>Day Four: Skills Practice</p> <p>Day Five: JPR Skills Testing; Review; Paperwork; Survey; Certification Exams</p> <p><i>The schedule is subject to change.</i></p>
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