**MILWAUKEE AREA TECHNICAL COLLEGE**  
**Course Syllabus**  
**FIRE 152 001 * Fall 2013**

<table>
<thead>
<tr>
<th>Course: Hazardous Materials - Technician</th>
<th>Credits: 4</th>
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</thead>
<tbody>
<tr>
<td>Subject Abbreviation: FIRE</td>
<td>Course Number: 152</td>
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<tr>
<td>Class Meets: Tuesday 8:30 AM – 12:25 PM MATC South Campus Room B156A</td>
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<tr>
<td>Instructor: Thomas Plevak / Michael Olinger</td>
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<tr>
<td>Classroom Office: Room B156 A Room B156A</td>
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<tr>
<td>Office Hours: Tuesday 8:00 AM – 8:30 AM 12:30 pm – 1:00 PM</td>
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<tr>
<td>Phone number: (414) 412-5411 - Tom (414) 430-0786 - Mike E-mail: <a href="mailto:plevakt@matc.edu">plevakt@matc.edu</a> <a href="mailto:matchazmat@gmail.com">matchazmat@gmail.com</a></td>
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<tr>
<td>Course Description: FIRE 152 – Hazardous Materials is intended for those persons who respond to releases or potential releases of Hazardous Materials with the purpose of controlling the leak. Hazardous Materials Technicians utilize chemical protective clothing and specialized control and monitoring equipment for the mitigation of the incident. This Hazardous Materials Technician course provides knowledge and skills to analyze a Hazardous Materials Incident, plan and implement a response, evaluate progress and developments, and terminate the incident.</td>
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<tr>
<td>Prerequisites: FIRE 139 – Principles of Emergency Service FIRE 142 – Firefighting Principles (Firefighter Level I) FIRE 156 – Strategies, Tactics, and Incident Management</td>
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<tr>
<td>ADA Statement: If you have a disability that impacts your classroom performance and wish to request an accommodation, contact the Center for Special Needs at (414) 297-6838. They may require documentation regarding your disability to enable them to comply with your request. Admission of a disability is voluntary and will be handled in a confidential manner. MATC does not discriminate against individuals with disabilities and fully complies with the Americans with Disabilities Act. To ensure your academic success in this program, you are strongly encouraged to provide your instructor with a copy of the Instructor Notification Form from the Center for Special Needs.</td>
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<tr>
<td>Field Operations Guide: HAZARDOUS MATERIALS MANAGING THE INCIDENT</td>
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<td>Course Competencies:</td>
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<tr>
<td>- Describe the Hazardous Materials Management System</td>
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<tr>
<td>- Protect Health and Safety</td>
<td></td>
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<tr>
<td>- Describe the National Incident Management System (NIMS)</td>
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<tr>
<td>- Manage On-scene Operations using the Eight Step Process</td>
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<tr>
<td>- Initiate Site Management and Control Procedures</td>
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<tr>
<td>- Identify Hazardous Materials</td>
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<tr>
<td>- Evaluate Hazards and Risks</td>
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<tr>
<td>- Select Personal Protective Clothing and Equipment</td>
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<td>- Manage Information and Resources</td>
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<tr>
<td>- Implement Hazardous Materials Response Objectives</td>
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<tr>
<td>- Set up a Decontamination Corridor</td>
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<tr>
<td>- Terminate a Hazardous Materials Incident</td>
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<tr>
<td>Course Calendar Schedule: Attached</td>
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<td>Course Requirements and Grading: Attached</td>
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<tr>
<td>Attendance Policy: Over 8 Hours Absence = Instructor Recommended Withdrawal from FIRE 152 Over 4 Hours Absence = No Hazardous Materials Technician Certificate</td>
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<td>Student Complaint Procedure: Instructor, Advisor, Associate Dean</td>
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<tr>
<td>Student Signature:</td>
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</table>
HAZARDOUS MATERIALS – Technician
MILWAUKEE AREA TECHNICAL COLLEGE
FIRE - 152 – 001 * SYLLABUS * Fall 2013

Instructors: Thomas Plevak        Michael Olinger
Phone:     (414) 412-5411        (414) 430-0786
Email:     plevakt@matc.edu      matchazmat@gmail.com
           Communicate with instructors &/or students using Blackboard - Messages

Location: MATC South Campus        Room B156A
Time:     Tuesday 8:30 AM – 12:25 PM (4 Hrs)
Office Hours: Tuesday 8:00 AM – 8:30 AM 12:30 PM – 1:00 PM

Text Book: HAZARDOUS MATERIALS MANAGING THE INCIDENT – 3rd Edition
Field Operations Guide: HAZARDOUS MATERIALS MANAGING THE INCIDENT

Grading Table

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A+</td>
<td>100%</td>
</tr>
<tr>
<td>A</td>
<td>95.9%</td>
</tr>
<tr>
<td>A-</td>
<td>92.9%</td>
</tr>
<tr>
<td>B+</td>
<td>89.9%</td>
</tr>
<tr>
<td>B</td>
<td>87.9%</td>
</tr>
<tr>
<td>B-</td>
<td>84.9%</td>
</tr>
<tr>
<td>C+</td>
<td>79.9%</td>
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<tr>
<td>C</td>
<td>76.9%</td>
</tr>
<tr>
<td>D+</td>
<td>74.9%</td>
</tr>
<tr>
<td>D</td>
<td>71.9%</td>
</tr>
<tr>
<td>U</td>
<td>68.9%</td>
</tr>
<tr>
<td>U+</td>
<td>66.9%</td>
</tr>
<tr>
<td>D-</td>
<td>0.0%</td>
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Grades:
- Quizzes: (Chapter quizzes) (15%) Blackboard at home
  - Chapter quiz grades will be averaged and used as one Exam grade (15%).
  - Chapter quizzes are taken online using Blackboard software.
  - Chapter quizzes must be completed within time frame on course schedule.
  - Chapter quiz grade of 0% will be assigned to students that do not attend class for any particular Chapter discussion.

- Exam 1 (Chapter 1-4) (10%) Blackboard at MATC
- Exam 2 (Chapter 5-8) (10%) Blackboard at MATC
- Exam 3 (Chapter 9-12) (10%) Blackboard at MATC

- Final Exam (Chapter 1-12) (15%) Blackboard at MATC
- Student Assessment / Evaluation (40%) Written/Oral/Practical at MATC

Exams:
- 3 Major Exams (10% each) (30% total).
  - 1 Final Exam (15%)
  - 3 Major Exams & Final Exam are taken online using Blackboard software.
  - 3 Major Exams & Final Exam are taken during time frames that will be provided in class.
  - Missed Exams may be rescheduled and made up at the end of the semester.
  - 15 points deducted from Exam grade for exams not taken with class as scheduled.

Student Assessment / Evaluation: Students will be assessed / evaluated following Haz Mat Incidents.
- Assignments will be due at 1st class session following Haz Mat Incident.
- Student Assessment / Evaluation may be written, oral, and/or practical.
- Student Assessment / Evaluation weighted as 40% of grade.

Certification: A Hazardous Materials Technician Certificate may be earned as follows:
- A final course average grade of 75% is required.
- Perfect Attendance (No Absences) is required.
- Hazardous Materials Technician Certificate provided by MATC.

Attendance: The requirements set by MATC of exceeding Two (2) absences (8 Hours) during the semester will result in instructor recommended withdrawal from course.

Emergency/Evacuation Statement:

Every Milwaukee Area Technical College building is equipped with a mass notification system that will be used by the Department of Public Safety to provide directions during an emergency.
- Students are asked to review these guidelines so they are familiar with emergency procedures.
- Please notify your instructor during the first week of the semester if you have a condition that may limit or affect your ability to evacuate the classroom/building in an emergency.
The Core Abilities are skills that allow students to continually adapt and learn. They have been called “employability skills,” soft skills, and professional attributes. You may not be tested for all of the Core Abilities directly, but you will demonstrate or apply them to complete lessons or to improve skills. The Core Abilities and indicators are listed below.

Communicate effectively.

• Learner speaks effectively for the intended purpose, audience, occasion, and topic.
• Learner writes effectively for the intended purpose, audience, occasion, and topic.
• Learner applies rules of standard English language structure, including grammar and spelling.
• Learner uses correctly the language of his/her discipline.
• Learner chooses presentation format (oral, written, graphic) appropriately.
• Learner communicates in a bias-free manner.
• Learner supports viewpoints with evidence.

Collaborate with others.

• Learner cooperates with others.
• Learner resolves conflicts effectively.
• Learner participates in shared problem-solving.
• Learner demonstrates empathy, respect and concern for others.

Respect diversity.

• Learner acknowledges personal prejudices, and biases.
• Learner appreciates perspectives of people outside his/her own background/culture.
• Learner works collaboratively with people from other backgrounds/cultures.
• Learner demonstrates awareness of global issues.

Demonstrate responsibility.

• Learner prepares for and attends class.
• Learner turns in quality work.
• Learner adheres to safety rules and regulations.
• Learner acts professionally to fulfill job duties within chosen field.
• Learner demonstrates flexibility and self-directedness in learning.
• Learner acknowledges a responsibility to the global community (cultural, economic, environmental, political).
• Learner practices environmental sensitivity in his/her profession.
• Learner utilizes effective time management.
Think critically and creatively.

- Learner differentiates between assertions based on evidence and opinions.
- Learner considers others’ viewpoints and perspectives.
- Learner presents logical and reasonable arguments.
- Learner evaluates sources of information for credibility and reliability.
- Learner analyzes relationships between ideas, people, events, and things.
- Learner breaks complex problems into component parts.
- Learner selects and applies problem solving methods.
- Learner evaluates implications of alternative solutions.
- Learner anticipates future trends.
- Learner considers unconventional solutions.

Utilize technology.

- Learner acknowledges the scope of technology.
- Learner recognizes the cultural, social, economic, and political effects of technology.
- Learner solves problems using technology.
- Learner uses the technologies appropriate for their occupational program.
- Learner recognizes the impact of technology.
- Learner uses appropriate technology to obtain information.
- Learner uses appropriate technology to manage information.

Apply math and science.

- Learner applies math concepts and principles appropriately.
- Learner interprets and applies mathematical concepts that reach a solution.
- Learner collects observations and data in a scientific manner.
- Learner generates appropriate questions based upon observations.
- Learner formulates appropriate hypotheses.
- Learner tests their hypotheses through scientific investigation.
- Learner organizes data in a logical manner.
- Learner analyzes data appropriately.
- Learner interprets meaning from scientific data.

Demonstrate environmental responsibility.

- Learner models sustainable practices.
- Learner identifies environmental issues.
- Learner practices resource conservation.
- Learner practices environmental sensitivity.

Embrace change.

- Learner thinks positively of improved outcomes.
- Learner realistically assesses workplace environment.
- Learner anticipates challenges and adjustments.
- Learner increases flexibility.
- Learner reflects upon successful outcomes.
- Learner adjusts to changing circumstances.
- Learner celebrates successful change.