

OUTCOMES BASED LEARNING MATRIX

Course: **Hazardous Material Incident Response** Department: **Fire Science Technology**

*COURSE OUTCOMES	OUTCOMES ACTIVITIES	ASSESSMENT TOOLS
<ol style="list-style-type: none"> 1. Demonstrate how to identify a Hazardous Material. 2. List how Hazardous Materials are classified. 3. Be able to determine the hazards of a material utilizing research materials such as MSDS, Written Manuals and Computer Programs. 	<ol style="list-style-type: none"> 1. Carefully read the appropriate sections in text and handout material; (R,CT) 2. Attend class and take appropriate notes; (W) 3. Do assignments in text; (R,CT,QS,W) 	<ol style="list-style-type: none"> 1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W) 3. Case study/role playing to show problem solving using policies and procedures; (OC,CT,R,W) 4. Oral presentation critiqued by instructor, class, and/or self (OC, CT, R, W)
<ol style="list-style-type: none"> 4. Be familiar with basic toxicology and how a material may affect the body. 5. List how Hazardous Materials are stored, used and transported. 	<ol style="list-style-type: none"> 1. Carefully read the appropriate sections in text and handout material; (R,CT) 2. Attend class and take appropriate notes; (W) 3. Do assignments in text; (R,CT,QS,W) 	<ol style="list-style-type: none"> 1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W)
<ol style="list-style-type: none"> 6. Have knowledge of the NFPA levels of Hazardous Material training as well as Federal OSHA requirements. 	<ol style="list-style-type: none"> 1. Carefully read the appropriate sections in text and handout material; (R,CT) 2. Attend class and take appropriate notes; (W) 3. Do assignments in text; (R,CT,QS,W) 	<ol style="list-style-type: none"> 1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W)
<ol style="list-style-type: none"> 7. Have knowledge of Personal Protective Clothing levels including respiratory protection. 8. Describe the need for decontamination when exposed to Hazardous Materials. 9. Know the need and procedures for isolating Hazardous Materials and for incident scene management. 	<ol style="list-style-type: none"> 1. Carefully read the appropriate sections in text and handout material; (R,CT) 2. Attend class and take appropriate notes; (W) 3. Do assignments in text; (R,CT,QS,W) 	<ol style="list-style-type: none"> 1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W)
To strengthen Core Competencies** in order to	Referenced above	Referenced above.

increase success in this and other courses and in the workplace.		
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Core Competencies that apply to the outcomes activities and assessment tools: Critical Thinking (CT); technology skills (TS); oral communications (OC); quantitative skills (QS); reading (R); writing (w).