

OUTCOMES BASED LEARNING MATRIX

Course: **Principles of Emergency Services** Department: **Fire Science Technology**

*COURSE OUTCOMES	OUTCOMES ACTIVITIES	ASSESSMENT TOOLS
1. Have an understanding of the Chemistry and Behavior of Fire in order to anticipate fire spread	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)	1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W)
2. Be familiar with the history, development and structure of Public Fire Departments. 3. Be able to list different types of Fire Department apparatus, and their functions. 4. Know basic fire equipment and usage as applied to extinguishment and rescue.	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)	1. Hand in assignments; (R,CT,QS,W) 2. Written exam; (R,CT,QS,W)
5. Have an understanding of basic fire protection and prevent methods. 6. Analyze present and anticipate future fire protection problems.	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)	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)
7. Be able to understand the problems in providing adequate fire protection given the fiscal constrains imposed by government funding and cutbacks.	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)	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)
8. Describe Fire Department hiring procedures	1. Carefully read the appropriate sections	1. Hand in assignments;

<p>such as Civil Service and other testing and hiring methods.</p> <p>9. Have an understanding of the functions of firefighters and fire officers and the training required to attain desired levels of competency.</p>	<p>in text and handout material; (R,CT)</p> <p>2. Attend class and take appropriate notes; (W)</p> <p>3. Do assignments in text; (R,CT,QS,W)</p>	<p>(R,CT,QS,W)</p> <p>2. Written exam; (R,CT,QS,W)</p>
<p>To strengthen Core Competencies** in Order to increase success in this and other Courses and in the workplace.</p>	<p>Referenced above</p>	<p>Referenced above.</p>

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).