

OUTCOMES BASED LEARNING MATRIX

Course: **Fire Protection Systems & Equipment**

Department: **Fire Science Technology**

| *COURSE OUTCOMES | OUTCOMES ACTIVITIES | ASSESSMENT TOOLS |
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| 1. Articulate knowledge of distribution and installation of water supply systems in suburban and rural areas. | 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. Oral presentation critiqued by instructor, class, and/or self (OC, CT, R, W) |
| 2. Comprehend types, components, and operation of automatic, special sprinkler systems, and standpipes. | 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) |
| 3. Classify detection, alarm, supervisory devices, heat, flame, smoke control devices and hardware. | 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. Identify and describe appropriate national standards governing the installation, inspection, and maintenance of given extinguishing agent/systems and their related components. | 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) |
| To strengthen Core Competencies** in Order to increase success in this and other Courses and in the workplace. | Referenced above | Referenced above. |

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).