OUTCOMES BASED LEARNING MATRIX

Course: <u>Principles of Fire & Emergency Services Safety & Survival</u>   **Department:**   Fire Science Technology

*COURSE OUTCOMES	OUTCOMES ACTIVITIES	ASSESSMENT TOOLS
1. Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.	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. Explain the need for enhancements of personal and organizational accountability for health and safety. 3. Define how the concepts of risk management affect strategic and tactical decision-making. 4. Describe and evaluate circumstances that might constitute an unsafe act.	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)
5. Explain the concept of empowering all emergency services personnel to stop unsafe acts. 6. Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications. 7. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers. 8. Explain the vital role of local departments in national research and data collection systems.	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)

9. Illustrate how technological advancements can produce higher levels of emergency services safety and survival. 10. Explain the importance of investigating all near-misses, injuries and fatalities. 11. Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.		
12. Describe how obtaining grants can support safety and survival initiatives. 13. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths. 14. Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes.	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)
15. Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as, identify access to local resources and services. 16. Describe the importance of public education as a critical component of life safety programs. 17. Discuss the importance of fire sprinklers and code enforcement. 18. Explain the importance of safety in the design of apparatus and equipment.	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)

**Indicate the 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).