

Prepared by the Department of Social Sciences, Behavioral Sciences, and Human Services

Date of Departmental Approval: February 12, 2013

Date approved by Curriculum and Programs: February 13, 2013

Effective: Fall 2013

1. **Course Number:** FSC 154
Course Title: Principles of Fire and Emergency Services Safety and Survival
2. **Description:** This course introduces the basic principles and history related to the national firefighter life safety initiatives focusing on the need for cultural and behavioral change throughout the emergency services.
3. **Student Learning Outcomes:** (instructional objectives, intellectual skills)
Upon successful completion of this course, students are able to do the following.
 - Define and describe the need for cultural and behavioral change within fire emergency services related to safety, incorporating leadership, supervision, accountability, and personal responsibility
 - Explain the need for enhancement of personal and organizational accountability for health and safety
 - Define how the concept of risk management affects strategic and tactical decision making
 - Describe and evaluate circumstances that might constitute an unsafe act
 - Explain the concept of empowering all emergency services personnel to stop unsafe acts
 - Validate the need for national training standards as they correlate to professional development inclusive of qualification, certifications, and re-certifications
 - Defend the need for annual medical evaluations and establishment of physical fitness criteria for emergency service personnel throughout their careers
 - Explain the vital role of local departments in national research and data collection systems
 - Illustrate how technological advancements can produce higher levels of emergency services safety and survival
 - Explain the importance of investigating all near misses, injuries and fatalities
 - Discuss how incorporating the lesson learned from investigations can support cultural change throughout the emergency services
 - Describe how obtaining grants can support safety and survival initiatives
 - Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries, and deaths
 - Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes
 - Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as identify access to local resources and services
 - Describe the importance of public education as a critical component of life safety programs
 - Discuss the importance of fire sprinklers and code enforcement
 - Explain the importance of safety in the design of apparatus and equipment
4. **Credits:** 3 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** FSC150/FSC100
7. **Semester Offered:** Varies
8. **Suggested General Guidelines for Evaluation:** Exams, quizzes, and class projects
9. **General Topical Outline:**
 - I. Introduction
 - A. History of Fire Service Culture
 - B. Organizational Culture
 - C. Individual Role in Culture/Behavior
 - D. History of Line of Duty Deaths and Injuries Statistics
 - E. Define the Nature of the Problem

- II. The National Context, Health and Safety
 - A. NFPA, OSHA
 - B. Medical and Fitness Standards
 - C. Data Collection (NFIRS)
 - D. Research/Investigation (NIST, NIOSH)

- III. Training Equipment, Response
 - A. Training, Certification, Credentialing
 - B. Apparatus and Equipment
 - C. Emergency Response - Response to Emergency Scenes
 - D. Violent Incidents
 - E. Emerging Technologies

- IV. Organizational Health and Safety Profile
 - A. Personal and Organizational Accountability
 - B. Present Conditions/Culture
 - C. Investigations-Internal
 - D. Analyzing your profile
 - E. Utilizing grants to meet your needs

- V. Risk Management
 - A. Risk Management Concepts and Practices
 - B. Unsafe Acts
 - C. Empowerment Definition
 - D. Counseling and Psychological Support