

**College of San Mateo**  
**Official Course Outline**

1. **COURSE ID:** FIRE 748    **TITLE:** Firefighter Safety & Survival    **C-ID:** FIRE 150X  
**Units:** 3.0 units    **Hours/Semester:** 48.0-54.0 Lecture hours; and 96.0-108.0 Homework hours  
**Method of Grading:** Letter Grade Only  
**Recommended Preparation:**  
    Eligibility for ENGL 100, or ENGL 105. FIRE 715
2. **COURSE DESIGNATION:**  
**Degree Credit**  
**Transfer credit:** CSU
3. **COURSE DESCRIPTIONS:**  
**Catalog Description:**  
    This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.
4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**  
    Upon successful completion of this course, a student will meet the following outcomes:
  1. Identify and explain the 16 life safety initiatives.
  2. Understand the concepts of risk management and mitigation as it pertains to emergency services.
5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**  
    Upon successful completion of this course, a student will be able to:
  1. Identify and explain the 16 life safety initiatives.
  2. Understand the concepts of risk management and mitigation as it pertains to emergency services.
6. **COURSE CONTENT:**  
**Lecture Content:**
  1. 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. Defining the Nature of the Problem
  2. The National Context, Health and Safety
    - A. NFPA, OSHA
    - B. Medical and Fitness Standards
    - C. Data Collection (NFIRS)
    - D. Research/Investigation (NIST, NIOSH)
  3. Training, Equipment, Response
    - A. Training, Certification, Credentialing
    - B. Apparatus and Equipment
    - C. Emergency Response – Response to Emergency Scenes
    - D. Violent Incidents
    - E. Emerging Technologies
  4. Organizational Health and Safety Profile
    - A. Personal and Organizational Accountability
    - B. Present Condition/Culture
    - C. Investigations – Internal
    - D. Analyzing you Profile
    - E. Utilizing Grants to Meet Needs
  5. Risk Management
    - A. Risk Management Concepts and Practices
    - B. Unsafe Acts
    - C. Empowerment Definition
  6. Prevention
    - A. Home Fire Sprinklers

- B. Code Enforcement
- C. Public Education/Fire and Life Safety
- D. Counseling and Psychological Support

**7. REPRESENTATIVE METHODS OF INSTRUCTION:**

Typical methods of instruction may include:

- A. Lecture
- B. Activity
- C. Discussion

**8. REPRESENTATIVE ASSIGNMENTS**

Representative assignments in this course may include, but are not limited to the following:

**Writing Assignments:**

Presentation topic description and outline

**Reading Assignments:**

Assigned reading for class session

**Other Outside Assignments:**

Preparation of oral presentation

**9. REPRESENTATIVE METHODS OF EVALUATION**

Representative methods of evaluation may include:

- A. Oral Presentation
- B. Papers
- C. Quizzes
- D. Written examination

**10. REPRESENTATIVE TEXT(S):**

Possible textbooks include:

- A. Zimmerman, D.. *Firefighter Safety and Survival*, 3rd ed. Jones & Bartlett Learning, 2021

**Origination Date:** August 2020

**Curriculum Committee Approval Date:** October 2020

**Effective Term:** Fall 2021

**Course Originator:** Michelle Schneider