

**College of San Mateo  
Official Course Outline**

1. **COURSE ID:** FIRE 715    **TITLE:** Principles of Emergency Services    **C-ID:** FIRE 100X  
**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 105.
  
2. **COURSE DESIGNATION:**  
**Degree Credit**  
**Transfer credit:** CSU  
**AA/AS Degree Requirements:**  
    CSM - GENERAL EDUCATION REQUIREMENTS: E5d. Career Exploration and Self-Development
  
3. **COURSE DESCRIPTIONS:**  
**Catalog Description:**  
    This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection; introduction to fire strategy and tactics; life safety initiatives.
  
4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**  
    Upon successful completion of this course, a student will meet the following outcomes:
  1. Illustrate the history of the fire service.
  2. Compare and contrast the components and development of the fire and emergency services.
  3. Analyze careers in fire and emergency services.
  
5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**  
    Upon successful completion of this course, a student will be able to:
  1. Illustrate the history of the fire service.
  2. Compare and contrast the components and development of the fire and emergency services.
  3. Analyze careers in fire and emergency services.
  
6. **COURSE CONTENT:**  
**Lecture Content:**
  1. Careers in the Fire Protection/Emergency Services
    - A. Opportunities
      - a. Private
      - b. Industrial
      - c. Local
      - d. Municipal
      - e. State
      - f. Federal
    - B. Compensation
      - a. Pay
      - b. Hours of Duty
      - c. Benefits
      - d. Promotion
      - e. Retirement Qualifications
    - C. Work Ethics and Human Relations Education and Training
      - a. Certificates
      - b. Degrees
      - c. Selection Process
  2. History
    - A. Evolution of Fire Protection
    - B. The U.S. Fire Problem

- a. Life
- b. Property
- 3. Fire prevention and Public Fire Education
  - A. Fire Investigation
  - B. Code Enforcement
  - C. Public Education
- 4. Scientific Terminology
  - A. Fire Behavior
  - B. Flammability and Characteristics of Solids, Liquids and Gases
- 5. Building Design and Construction
- 6. Fire Detection and Suppression Systems
- 7. The Role of Public and Private Support Organizations
  - A. Local
  - B. State
  - C. Federal and National
  - D. International
- 8. Fire and Emergency Services Equipment and Facilities
- 9. Management
  - A. Emergency Operations
  - B. Organizational Structure of Fire and Emergency Services

**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: Short description of topic and outline of presentation

**Reading Assignments:**

Assigned reading in preparation for the class session

**Other Outside Assignments:**

Presentation development and preparation

**9. REPRESENTATIVE METHODS OF EVALUATION**

Representative methods of evaluation may include:

- A. Exams/Tests
- B. Oral Presentation
- C. Quizzes
- D. Written examination

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

Possible textbooks include:

- A. Klinoff. *Introduction to Fire Protection and Emergency Services*, 6th ed. Jones & Bartlett Learning, 2021

**Origination Date:** August 2020

**Curriculum Committee Approval Date:** October 2020

**Effective Term:** Fall 2021

**Course Originator:** Michelle Schneider