

**College of San Mateo
Official Course Outline**

1. **COURSE ID:** FIRE 720 **TITLE:** Fire Prevention **C-ID:** FIRE 110X
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 provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; fire investigation.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**

Upon successful completion of this course, a student will meet the following outcomes:

1. Identify laws, codes, ordinances, and regulations as they relate to fire prevention
2. Understand code enforcement as it impacts life and property loss

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**

Upon successful completion of this course, a student will be able to:

1. Identify laws, codes, ordinances, and regulations as they relate to fire prevention.
2. Understand code enforcement as it impacts life and property loss

6. **COURSE CONTENT:**

Lecture Content:

1. National Fire Problem and Role of Fire Prevention
 - A. Definition
 - B. Historical Overview
 - C. Data Analysis/GIS
 - D. Current Trends of Fire Prevention
2. Fire Prevention Organizations and Associations
 - A. Public
 - a. Federal
 - b. State
 - c. Local
 - B. Private
 - a. International
 - b. National
 - c. Regional
3. Laws, Rules, Regulations and Codes
 - A. Definitions
 - B. Applicability
 - C. Interrelationship
 - D. Limitations
4. Fire Prevention Bureau Functions
 - A. Data Collection and Analysis
 - B. Plans Review
 - C. Fire Inspections
 - D. Fire and Life Safety Education
 - E. Fire Investigations
5. Tools and Equipment
 - A. Data Collection and Analysis

- B. Plans Review
- C. Fire Inspections
- D. Fire and Life Safety Education
- E. Fire Investigations
- 6. Roles and Responsibilities of Fire Prevention Personnel
 - A. Data Collection and Analysis
 - B. Code Development and Interpretation
 - C. Training and Education
 - D. Enforcement
 - E. Management
- 7. Professional Certification
 - A. Categories and Levels
 - B. Local
 - C. State
 - D. National
- 8. Professional Development
 - A. National Fire Prevention Development Model
 - B. Training and Education
 - C. Certification Systems

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:

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. Class Participation
- B. Oral Presentation
- C. Quizzes
- D. Written examination

10. REPRESENTATIVE TEXT(S):

Possible textbooks include:

- A. International Fire Service Training Association (IFSTA). *Fire Inspection and Code Enforcement*, 8th ed. Fire Protection Publications, 2016

Origination Date: August 2020

Curriculum Committee Approval Date: October 2020

Effective Term: Fall 2021

Course Originator: Michelle Schneider