

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

FSC 12 - Fundamentals of Fire Prevention

3 Unit(s)

Prerequisite(s): NONE

Recommended Prep: NONE

Transfer Status: CSU

51 hours Lecture

This course will introduce students to the concepts and function of fire prevention. It will include an introduction to inspections; recognition of fire and life hazards; engineering a solution of a fire hazard; enforcing the solution of a fire hazard; and public relations as affected by fire prevention.

II. OBJECTIVES

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

- A. Explain basic principles and procedures of fire prevention.
- B. Identify what organizations are responsible for fire prevention, and describe the laws that provide a basis for fire prevention.
- C. Explain the purpose of classifying occupancies by degree of fire, degree of life safety hazards, and degree of common and special fire hazards.
- D. Identify and explain the operations of fire detection, signaling and fire suppression systems.
- E. Explain the significance of public education as a component of fire prevention.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Lecture	
<u>Topics</u>	<u>Hours</u>
1. History and overview of fire prevention	4.00
2. Organization and procedures related to fire prevention	6.00
3. Fire prevention public education	5.00
4. Laws, regulations, standards and prevention organizations	4.00
5. Introduction to inspection and inspection procedures	4.00
6. Building Construction	4.00
7. Fire protection equipment and suppression systems	6.00
8. Fire detection and signaling equipment	6.00
9. Causes and degrees of fire	4.00
10. Storage, heating and housekeeping hazards	4.00
11. Electrical hazards	4.00
Total Hours	51.00

IV. METHODS OF INSTRUCTION

- A. Lecture
- B. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- C. Handouts

D. Audiovisual

V. METHODS OF EVALUATION

- A. Projects
- B. Homework
- C. Written Assignments
- D. Written Examinations

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments

1. Locate and read an article about a historic fire event at a specified type of structure, and be prepared to discuss in class.
2. Read a chapter from the textbook degrees of fire, and be prepared to complete a worksheet on the material.

B. Writing Assignments

1. Research a topic related to fire prevention, and write a minimum two page report.
2. Develop an educational fire prevention brochure suitable for publication and distribution.

C. Out-of-Class Assignments

1. Conduct a fire prevention inspection of a specified type of structure, and be prepared to discuss in class.
2. Prepare a Powerpoint presentation detailing your group's inspection of a unique type of structure.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

- A. IFSTA. Fire Inspection and Code Enforcement. 7th Edition. Fire Protection Publications, 2009.

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