

CATALOG INFORMATION

Dept and Nbr: FIRE 201B

Title: FIRE PREVENTION 1B

Full Title: Fire Prevention 1B

Last Reviewed: 8/1/1981

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	40.00	12	Lecture Scheduled	480.00
Minimum	2.00	Lab Scheduled	0	1	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	40.00		Contact Total	480.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 960.00

Total Student Learning Hours: 1440.00

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

Review of water systems, fixed extinguishing systems, means of egress, life safety, heating and cooking equipment, and basic electricity.

Prerequisites/Corequisites:

Fire 201A.

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:

Description: Review of water systems, fixed extinguishing systems, means of egress, life safety, heating & cooking equipment, & basic electricity. (P/NP Only)

Prerequisites/Corequisites: Fire 201A.

Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

**COURSE GOALS:**

1. To provide the student with a fundamental understanding of water supply systems for firefighting.
2. To enable students to enforce the proper codes to eliminate electrical hazards.

**Topics and Scope:**

1. Water Systems
  - a. Private systems
  - b. Standpip and hose systems
  - c. Sprinkler systems
2. Fixed Extinguishing Systems
  - a. Operational readiness
  - b. Heat, smoke, and flame detection devices
  - c. Local fire alarm systems
  - d. Municipal fire alarm systems
3. Egress Requirements
  - a. Determination of adequate egress
  - b. Exit requirements
  - c. Enclosed stairwells and smokeproof towers
  - e. Fire drills and emergency evacuation
4. Life Safety
  - a. Relationship of fire protection and building construction and occupancy
  - b. Effect of construction methods and materials on fire spread
  - c. General UBC/UFC requirements
  - d. Requirements for decorative materials
  - e. Rated buildings
  - f. Fire doors, windows, and shutters
  - g. Stages, platforms, movie projection rooms

- h. Types and classes of roof coverings
- 5. Heating and Cooking Equipment
  - a. Installation and use
  - b. Hazards and safeguards
  - c. Inspection
- 6. Electrical Equipment
  - a. Wiring, service boxes, circuits, and accessories
  - b. UBC, UFC, electrical codes
  - c. Inspection

### Assignment:

The student will:

1. Identify, analyze (private; standpipe & hose systems; sprinkler) water systems.
2. Identify and describe the various egress requirements for several building types.
3. Prepare inspection requirements for heating & cooking equipment; and electrical equipment (UBC, UFC, and Electrical codes).

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Quizzes, Exams

Problem solving  
0 - 10%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams

Skill Demonstrations  
0 - 10%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice

Exams  
0 - 70%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

### Representative Textbooks and Materials:

