

**FIRE 201B Course Outline as of Spring 2012****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 &amp; cooking equipment, &amp; 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:**

**AS Degree:**      **Area**      Effective:      Inactive:  
**CSU GE:**      **Transfer Area**      Effective:      Inactive:

**IGETC:**      **Transfer Area**      Effective:      Inactive:

**CSU Transfer:**      Effective:      Inactive:

**UC Transfer:**      Effective:      Inactive:

**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:**

