

**Course Outline**

**COURSE:** JFT 26A                      **DIVISION:** 50                      **ALSO LISTED AS:**

**TERM EFFECTIVE:** Summer 2017                      **Inactive Course**

**SHORT TITLE:** FIRE PREVENTION 1A

**LONG TITLE:** Fire Prevention 1A Fire Inspection

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1	17.5	Lecture:	.8	14
		Lab:	1.48	25.9
		Other:	0	0
		Total:	2.28	39.9

**COURSE DESCRIPTION:**

This is a required course for Level 1 Fire Prevention Officer 1 Certification. Curriculum includes organization and function of fire prevention; fire and life safety inspections; codes and ordinances relating to the use and storage and use of flammable, combustible, toxic, reactive and radioactive materials; engineering and enforcing a solution of a fire hazard; fire extinguisher and fixed systems requirements. **PREREQUISITE:** Firefighter 1A and 1B Certification or equivalent. **ADVISORY:** Eligible for English 250 and English 420.

**PREREQUISITES:**

**COREQUISITES:**

**CREDIT STATUS:** D - Credit - Degree Applicable

**GRADING MODES**

L - Standard Letter Grade

**REPEATABILITY:** N - Course may not be repeated

**SCHEDULE TYPES:**

- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory
- 04 - Laboratory/Studio/Activity

**STUDENT LEARNING OUTCOMES:**

1. Describe general fire inspection practices.  
 Measure: written exam

ILO: 2,3

2. Describe the responsibilities of fire prevention personnel.

Measure: written exam

ILO: 2,3

3. Identify the procedures for correcting fire hazards.

Measure: role play

ILO: 2,3

4. Describe the characteristics and common examples of explosives, fireworks, combustible dusts and metals.

Measure: class exercise

ILO: 2,3

## CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 02/27/2017

8 Hours

- I. Orientation and Introduction
  - A. Responsibilities of Fire Prevention Personnel
    - 1. Legally established responsibilities and empowerment
    - 2. Procedures for correcting fire/safety hazards
    - 3. Determination of fire cause
    - 4. Essential equipment for code enforcement
  - B. Organization and Duties of Plant Emergency Brigades
    - 1. Transfer practices

STUDENT PERFORMANCE OBJECTIVES (SPO): Identify the properties, hazards and transfer practices for corrosive oxidizers, toxic radioactive and unstable materials.

OUT-OF-CLASS ASSIGNMENTS: Reading Assignment - NFPA Fire Protection Handbook

16 Hours

- II. Classes of Flammable and Combustible Liquids
  - A. Flammable Liquids
    - 1. Class IA Flammable Liquid
    - 2. Class IB Flammable Liquid
    - 3. Class IC Flammable Liquid
  - B. Combustible Liquids
    - 1. Class II Combustible Liquid
    - 2. Class III Combustible Liquid
      - 3. Class IIIA Combustible Liquid
      - 4. Class IIIB Combustible Liquid
  - B. Fire hazards
    - 1. Acceptable containers
    - 2. Storage practices and procedures
    - 3. Techniques fire extinguishment
    - 4. Regulatory labeling and placarding requirements

SPO: Identify the flashpoints of combustible liquid class IIIB during class assignment.

OUT-OF-CLASS ASSIGNMENTS: Reading assignment - Fire Prevention and Inspection Practices

16 Hours

III. Compressed and Liquefied Gases and Cryogenics

A. Physical and chemical characteristics

1. Hazards
2. Fire extinguishment practices
3. Storage practices and procedures
4. Regulatory labeling and placarding requirements

IV. Explosives and Fireworks

A. Classifications of explosives

B. Hazards

1. Security

C. Regulatory labeling and placarding requirements

1. Storage practices and procedures
2. Sources of technical information on explosives and fireworks

SPO: Describe the use of regulatory labeling and placarding requirements during inspections.

OUT-OF-CLASS ASSIGNMENTS: Reading Assignment

**METHODS OF INSTRUCTION:**

Lecture, discussion and demonstrations/simulations will serve as the medium of instruction. Audio-visual aids will be utilized as they facilitate meaningful instruction. Regular assignments will be made for out-of-class study and research. Individual guidance will be provided as required.

**METHODS OF EVALUATION:**

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 20 % to 35 %

Written Homework

Reading Reports

CATEGORY 2 -The problem-solving assignments required:

Percent range of total grade: 20 % to 35 %

Homework Problems

Lab Reports

Quizzes

CATEGORY 3 -The types of skill demonstrations required:

Percent range of total grade: 30 % to 50 %

Class Performance/s

Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 20 % to 30 %

Multiple Choice

True/False

**REPRESENTATIVE TEXTBOOKS:**

**ARTICULATION and CERTIFICATE INFORMATION**

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 199870

UC TRANSFER:

Not Transferable

**SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department: JFT

CSU Crosswalk Course Number: 26A

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000103665

Sports/Physical Education Course: N

Taxonomy of Program: 213300