

Course Outline

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

TERM EFFECTIVE: Fall 2011 **Inactive Course**

SHORT TITLE: FIRE PREVENTION 1C

LONG TITLE: Fire Prevention 1C - Flammable Liquids and Gases

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1	1	Lecture:	40	40
		Lab:	0	0
		Other:	0	0
		Total:	40	40

COURSE DESCRIPTION:

Curriculum includes physical properties of flammable liquids and gases; outside storage requirements for flammable liquids and gases, bulk handling requirements for flammable liquids and gases; regulations and procedures for the installation of storage tanks and containers; regulations controlling the transportation of flammable liquids and gases; procedures for controlling compressed and liquid gas leaks. **PREREQUISITE:** Fire Prevention 1B, this is a required course for Level 1 Fire Officer and Fire Prevention Officer 1 Certification. **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

STUDENT LEARNING OUTCOMES:

1. Students will recognize H-6 code violations, perform field inspections, analyze situational problems and respond in accordance with training precepts. Students will distinguish

elements and correctly classify incidents according to appropriate categories:

2. Describe the physical properties of flammable liquids.
3. Describe the physical properties of flammable gases.
4. Describe the requirements for outside bulk storage of flammable liquids and gases.
5. Describe the handling requirements for bulk storage of flammable liquids and gases.
6. Describe the regulations for installing storage tanks for flammable liquids.
7. Describe the procedures for inspecting storage tanks for flammable liquids.
8. Describe the regulations relative to the transportation of flammable liquids and gases.
9. Describe the procedures for controlling compressed and liquified gas leaks.
10. Perform an inspection of a facility containing flammable or combustible liquids/gases.

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

Inactive Course: 09/26/2011

1 Wk 40 Hrs I. Flammable Liquids

- A. Physical properties
- B. Outside storage requirements
- C. Bulk handling requirements
- D. Procedures for controlling leaks and spills

II. Flammable Gases

- A. Physical properties
- B. Outside storage requirements
- C. Bulk handling requirements
- D. Procedures for handling gas releases

III. Storage Tanks and Containers

- A. Regulations for underground storage tanks
- B. Procedures for monitoring underground storage tanks
- C. Inspection of storage tanks

IV. Transportation of Flammable Liquids and Gases

- A. DOT regulations
- B. Uniform Fire Code regulations

V. Compressed and Liquidified Gases

- A. Containment
- B. Controlling compressed gas releases
- C. Controlling liquified gas releases
- D. Reporting regulations

Lecture, discussion and demonstrations will serve as the medium

of instruction. Regular assignments will be made for out-of-class study and research. Quizzes and a final exam as well as individual guidance will be provided as required. In addition, the student will be required to perform field inspections.

REPRESENTATIVE TEXTBOOKS:

Required: ^uFire Prevention 1C Student Manual^s, CA/Fire Academy System

Recommended: ^uSFM Handbook^s, Office of the State Fire Marshall
^uFire Prevention and Inspection Practices^s, IFSTA #10

^uInspection Manual^s, NFPA

^uLife Safety Code Handbook^s, NFPA

^uFire Protection Handbook^s, NFPA

^uUniform Fire Codes^s, International Conf. of Building Officials

^uNational Fire Codes^s, NFPA

^uElements of Fire and Arson Investigation^s, Bates, Davis Pub. Co.

^uCode Enforcement: Title 19 California Administration Code^s
Reading Level determined to be: 12th + grade level

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: I

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: 26C

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: Y

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000456109

Sports/Physical Education Course: N

Taxonomy of Program: 213300