

Course Outline

COURSE: JFT 220 DIVISION: 50 ALSO LISTED AS: JFT 5B

TERM EFFECTIVE: Fall 2021 CURRICULUM APPROVAL DATE: 10/12/2021

SHORT TITLE: FIRE COMPANY OFFICER 2C

LONG TITLE: Fire Company Officer 2C

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
2	18	Lecture:	2.25	40.5
		Lab:	0	0
		Other:	0	0
		Total:	2.25	40.5

COURSE DESCRIPTION:

Course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course was previously listed as JFT 1B. PREREQUISITE: Firefighter I Academy.

PREREQUISITES:

- Completion of JFT 8, as UG, with a grade of P or better.
- OR
- Completion of JFT 225, as UG, with a grade of C or better.

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

- P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Identify construction, alarm, detection, and suppression features that contribute to or prevent the spread of fire, heat, and smoke throughout the building or from one building to another and develop an occupancy preincident plan.
2. Describe the wildland-urban interface inspection procedures

COURSE OBJECTIVES:

Students will be able to identify the duties of a company officer level I and, level II company officer.

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

Curriculum Approval Date: 10/12/2021

I. Unit I: Introduction (1.5 hours)

1. Fire Officer Certification Process

- a. Identifying the different levels of certification
 - b. Required courses for Level I and Level II
 - c. Examination process
- #### **2. Definition of Duty**
- a. Duties of a Company Officer Level I
 - b. Duties of a Company Officer Level II
 - c. Duties of a Wildland Fire Officer Level I

II. Unit 2: Fire and Life Safety Inspections (23 hours)

1. Describing Fire Inspection Procedures

- a. The various occupancies according to the current California Fire Code
- b. Inspection procedures
- c. Fire detection systems
- d. Alarm systems
- e. Protection systems
- f. Identifying fire hazards
- g. Markings and identifications systems for hazardous materials
- h. Applying the appropriate codes and standards
- i. Wildland-urban interface inspection procedures

2. Identifying Features that Prevent or Contribute to Fire Spread

- a. Fire Behavior
- b. Five types of building construction
- c. Building construction features
- d. Impact of detection systems and alarms
- e. Codes and ordinances
- f. Purpose of a pre-incident plan
- g. Pre-incident survey process

III. Unit 3: Fire Investigation (12 hours)

1. Securing Incident Scenes

- a. Types of Evidence
- b. Evidence preservation
- c. Establishing perimeters at an incident scene

2. Determining the Origin and Cause

- a. Methods used by arsonists
- b. Common causes of fire

- c. Basic fire cause and origin determination
 - d. Fire growth and development
 - e. Documentation of preliminary fire investigative procedures
 - f. Deductive skills
- IV. TESTING (3.5 hours)

METHODS OF INSTRUCTION:

Lecture, discussion and demonstrations 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.

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours 80

Assignment Description

Reading assignments

METHODS OF EVALUATION:

Problem-solving assignments

Evaluation Percent 25

Evaluation Description

Scenario

Given an incident scene, procedures for securing an incident scene, and equipment and resources, will be able to secure an incident scene with recognizable perimeters, which keep unauthorized persons from restricted areas, and which protect all evidence or potential evidence from damage or destruction.

To be evaluated by a SFT instructor.

Writing assignments

Evaluation Percent 25

Evaluation Description

In a written report the student will identify construction, alarm, detection, and suppression features that contribute to or prevent the spread of fire, heat, and smoke throughout the building or from one building to another and develop an occupancy preincident plan.

To be evaluated and graded by a SFT instructor

Objective examinations

Evaluation Percent 50

Evaluation Description

Exam to be graded by a SFT instructor

REPRESENTATIVE TEXTBOOKS:

Fire Investigator Principles and Practice Manual , California State Fire Training. , 2019.

ISBN: 9781284098228

12 Grade Verified by: Doug Achterman

Fire Inspection and Code Enforcement, Fire Protection Publications , 2019.

ISBN: 9780879393489

12 Grade Verified by: Doug Achterman

California Fire Inspector's Guide, California Fire Chiefs Association , California Fire Chiefs Association , 2019.

12 Grade Verified by: Doug Achterman

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

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:

CSU Crosswalk Course Number:

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: CCC000626742

Sports/Physical Education Course: N

Taxonomy of Program: 213300