

Las Positas College
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Course Outline for FST 71D

COMPANY OFFICER 2D:

Effective: Spring 2019

I. CATALOG DESCRIPTION:

FST 71D — COMPANY OFFICER 2D: — 2.00 units

This Course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and develop and conduct a post incident analysis. Satisfies part of the California Office of State Fire Marshal Certification Training Standards for Company Officer. Designed for aspiring Company Officers in California. Prerequisites: Meets the educational requirements of Firefighter II. Fire Service Technology 65, or successful completion of I-200.B (Basic Incident Command System for Single Resources and the Initial Action Incidents) and Hazardous Materials Incident Commander. 40 total hours Lecture/Activities.

2.00 Units Lecture

Prerequisite

FST 65 - First Respond Haz Mat/Incident
with a minimum grade of C
and/or

ICS 200.B: Incident Command System for Single Resources and Initial Action Incidents. Hazardous Material Incident Commander (CSTI). Meet the educational requirements of Firefighter II

Grading Methods:

Letter Grade

Discipline:

- Fire Technology

	MIN
Lecture Hours:	36.00
Expected Outside of Class Hours:	72.00
Total Hours:	108.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering the course a student should be able to:

- A. FST65

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- Identify different levels in the "Officer Certification" track, the courses and requirements for level I and II certification.
- Describe the capstone task book and certification examination process.
- Describe and articulate the duties of a company officer level I and II and wildland fire officer level I.
- Develop an initial plan of action from incident information and identifying the resources required to control the emergency
- Implement a plan of action based on given assigned resources and type of incident, deploying the resources for mitigation.
- Develop and conduct a post incident analysis, communicating all required critical elements.
- Identify elements of operational plans for compliance to NFPA 1600 when mitigating an incident
- Identify the major cause for service demands for various planning areas from incident reporting data.

V. CONTENT:

- Orientation and Administration
 - Course Goals and Objectives
 - CFSTES Certification Tracks
 - "Company Officer" Certification
 - "Chief Officer" Certification
 - "Executive Chief Officer" Certification

- c. Courses required for Level I and II
 - 1. Company Officer 2A: Human Resource Management for Company Officers
 - 2. Company Officer 2B: General Administration Functions for Company Officers
 - 3. Company Officer 2C: Fire Investigation and Inspection for Company Officers
 - 4. Company Officer 2D: All Risk Command Operations for Company Officers
 - 5. Company Officer 2E: Wildland Incident Operations for Company Officers
 - 6. ICS 200.B: ICS for Single Resources and Initial Action incidents
 - 7. Intermediate Wildland Fire Behavior S-290
 - 8. Instructor I: Methodology
 - 9. Hazardous Material Incident Commander (CSTI)
 - d. Capstone task book process
 - 1. Complete all pre-requisites and course work
 - 2. Submit application and fees and request capstone task book
 - 3. complete all job performance requirements in task book
 - 4. Evaluator verification signatures
 - 5. Signed by Fire Chief or authorized representative
 - 6. Must be employed by a California Agency prior to submittal
 - e. Certification examination process
 - 1. Complete coursework
 - 2. schedule online certification examination
 - 3. Schedule skills evaluation test
- 2. Duties of Company Officer Level I
 - a. NFPA 1021, Standard for Fire Officer Professional Qualifications”
 - b. Human Resource Management
 - c. Organizational Structure
 - d. Communication Skills
 - 1. Public and Peers
 - e. Planning skills
 - f. Inspection, Investigation and Public Education
 - g. Emergency Service Delivery and Supervision
 - h. Safety Plans, Policies and Procedures into daily activities
- 3. Duties of Company Officer Level II
 - a. Personnel performance evaluations
 - b. Community outreach and establishing strategic partnerships
 - c. Project and budget management
 - d. Fire Investigation
 - 1. Origin and Cause determination
 - e. Pre-Incident Planning
 - f. Supervise multi-unit emergency operations
 - g. Safety and Accident Prevention
 - 1. Investigate accident and injury reports
 - 2. Establish safe work practices
 - h. Basic Wildland Fire Leadership
 - 1. Principles of supervision and human resource management
- 4. Principles of Command
 - a. Decision making
 - b. Command presence
 - c. Risk assessment
- 5. Standard Operating Procedures (SOP) for emergency operations
 - a. Size-up
 - b. Report on conditions (LCAN)
 - c. Company Operations
- 6. Tactical Priorities for different Emergencies
 - a. Single-family dwelling fires
 - b. Multi-family dwelling fires
 - c. Commercial fires
 - d. Assembly fires
 - e. Mid-rise and high-rise fires
 - f. Multi-casualty incidents
 - g. Technical rescue
- 7. Evacuation procedures
 - a. Shelter in place vs controlled evacuation
- 8. Indexing alarms for more resources, local, region
- 9. Allocation of resources
- 10. Components of the ICS 201 Briefing Form
- 11. Fire Behavior within a structure
 - a. Dominate influencing factors
 - 1. Fuel types and availability
 - 2. Building construction type and materials used
 - 3. Drafting or ventilation
 - 4. Weather-Winds
 - 5. Fire attack
- 12. Resource management for emergency and non-emergency incidents
- 13. Scene Mngement
 - a. Use ICS
 - b. Maintain scene safety
 - c. Maintain (PAR) Personnel Accountability System
- 14. Transfer of Command
 - a. Face to Face
 - b. Follow organized procedure for transfer
- 15. Elements of a postincident analysis
 - a. Startegy and tactics
 - b. Safety issues
- 16. Describe departmental procedures for an incident
 - a. Dispatch
 - b. Operations
 - c. Customer service
- 17. Identify National and State/Provincial resources
 - a. Auto Aid vs Mutual Aid
 - b. Planned Need vs. Immediate Need

18. ICS General Staff and Command Positions
 - a. Unit Supervision Positions
 - b. NFPA 1600
19. Utilizing and correctly interpreting response data
 - a. Peak demand timelines
 - b. REFLEX Times

VI. METHODS OF INSTRUCTION:

- A. **Discussion** -
- B. Audio-visual aids
- C. Power point presentations
- D. **Classroom Activity** - State Fire Training Provided In Class Activities
- E. Computer based simulation demonstrations
- F. Student fire command simulation exercises
- G. **Lecture** -
- H. Group exercises

VII. TYPICAL ASSIGNMENTS:

- A. In Class assigned activities-Provided by State Fire Training approved curriculum
- B. Homework Assignments based on "Jones and Bartlett" Course Text Fire Officer: Principles and practice 3/e Edition
- C. Homework Assignments based on "FIREScope" Field Operations Guide ICS-420-1 (FOG Manual) Chapters 15, 16 and 20

VIII. EVALUATION:

A. **Methods**

1. Exams/Tests
2. Oral Presentation
3. Simulation
4. Class Participation
5. Class Work
6. Home Work
7. Other:

1. Methods

- a. Individual Presentations
- b. Homework Assignments
- c. Summative Exam

B. **Frequency**

2. Frequency

- a. Completion of Eight (8) computer simulation "All Risk" Command Exercises
- b. Three (3) "Homework Assignments" to prepare for in class individual command presentations
- c. One (1) Final examination (CFSTES State Summative Course Exam)

IX. TYPICAL TEXTS:

1. IFSTA. *Fire and Emergency Services Company Officer*. 5th ed., IFSTA, 2014.
2. Ward, Michael. *Fire Officer: Principles and Practice*. 3/e ed., Jones and Bartlett, 2015.
3. Fire Engineering. *Fire Officers Handbooks of Tactics*. 4th ed., PennWell, 2012.
4. Tiga, S.. *FIREScope Field Operations Guide (ICS 420-1)*. FIREScope , 2017.
5. NFPA. NFPA 1600 Standard on Disaster/Emergency Management and Business Continuity Programs. NFPA , 2013.

X. OTHER MATERIALS REQUIRED OF STUDENTS: