

Las Positas College  
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## Course Outline for FST 23

### CO 2D ALL - RISK COMMAND OPERATIONS FOR COMPANY OFFICERS

Effective: Fall 2019

#### I. CATALOG DESCRIPTION:

FST 23 — CO 2D ALL - RISK COMMAND OPERATIONS FOR COMPANY OFFICERS — 2.50 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.

2.50 Units Lecture

#### Prerequisite

FST 11 - LPC-East Bay Regional Firefighter I Academy  
with a minimum grade of B  
and/or

Completion of a Firefighter 1 Academy using the Firefighter 2013 curriculum and a signed letter by the Fire Chief attesting to this. Educational requirements for Firefighter 1 and Firefighter 2 as referenced in State Fire Training procedures manual and I CS200.B: Incident Command System For Single Resources and Initial Action Incidents Hazardous Material Incident Commander (as offered by the California Specialized Training Institute). Copies of these certificates will be collected by the instructor the first day of the class.

#### Grading Methods:

Letter or P/NP

#### Discipline:

- Fire Technology

	MIN
<b>Lecture Hours:</b>	45.00
<b>Expected Outside of Class Hours:</b>	90.00
<b>Total Hours:</b>	135.00

#### 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. FST11

1. Don a structural personal protective ensemble so that all elements of the ensemble are worn according to manufacturer's guidelines, within 60 seconds.
2. Don and activate a self-contained breathing apparatus (SCBA) within 60 seconds, and demonstrate the ability to use the SCBA during emergency operations.
3. Respond on apparatus to an emergency scene, correctly mount and dismount the apparatus, use seatbelt while the vehicle is in motion, and correctly use other personal protective equipment.
4. Establish and operate in work areas at emergency scenes, following procedures while wearing protective equipment, and establish attempted work areas as directed using traffic and scene control devices.
5. Demonstrate the ability to receive a telephone call using correct procedures for answering the phone and relaying information.
6. Initiate the response to a reported emergency, obtain all necessary information, correctly operate all communications equipment, and properly and accurately relay information to the dispatch center.
7. Transmit and receive messages via the fire department radio and relay accurate, clear information within a required time established.
8. Describe the history, features, principles, and organizational structure of the Incident Command System. Explain the relationship between ICS and the National Incident Management System (NIMS). Use ICS to manage an incident or event. Describe the purpose of the NIMS components and describe the purpose and response doctrine established by the National Response Framework.
9. Tie designated knots appropriate for hoisting tools securely and as directed.
10. Safely transport, operate, and maintain forcible entry equipment.
11. Illuminate designated areas of the emergency scene and operate fire service electrical equipment within the manufacturer's listed safety precautions.
12. Describe common building materials and construction types, and identify dangerous building conditions created by fire.
13. Identify and mitigate dangerous fire behavior conditions, while ensuring firefighter safety.
14. Choose the correct extinguisher and follow the correct handling techniques to completely extinguish incipient Class A, Class

- B, and Class C fires.
- 15. Connect a fire department engine to a water supply, ensuring tight connections and an unobstructed water flow, as a member of a team.
- 16. Shut off building utilities in order to safely complete an assignment.
- 17. Setup ground ladders, assess hazards, ensure ground ladders are stable and their angles are correct for climbing, extend extension ladders to the necessary height and locked their fly(s), place the tops of the ladders against reliable structural components, and accomplish the assignment.
- 18. Remove barriers and produce an opening that is safe and ready for use by forcing entry into a structure using tools as designed.
- 19. Operating as a member of a team, conduct search and rescue in a structure, maintain team integrity, correctly place ladders when used, search all assigned areas, locate and remove all victims, and avoid compromising team members safety, including respiratory protection.
- 20. Operating as a member of a team, attack an interior structure fire, maintain team integrity, deploy the attack line for its advancement, correctly placed ladders when used, gain access into the fire area, effectively apply water, correctly approach the fire using attack techniques to facilitate suppression given the level of the fire, locate and control hidden fires, maintain the correct body posture, recognize and manage hazards, and bring the fire under control.
- 21. Perform horizontal ventilation on a structure, free ventilation openings of obstructions, use tools as designed, place ladders and ventilation devices correctly, and clear structure of smoke.
- 22. Overhaul of fire scene without compromising structural integrity, discover all hidden fires, preserve fire cause evidence, and extinguish the fire.
- 23. Activate an emergency call for assistance and exit the hazardous area without endangering others while maintaining team integrity.
- 24. Extinguish fires in exterior Class A materials, protect exposures, stop the spread of fire, avoid collapse hazards, effectively applied water, extinguish the fire, and preserve signs of the origin area(s) and arson.
- 25. Attack a passenger vehicle fire, avoid hazards, identifying control leaking flammable liquids, maintain protection from flash fires, overhaul all vehicle compartments, and extinguish the fire, while operating as part of a team.
- 26. Assemble and prepare for a wildland response so that arrival at the incident with the required personnel and equipment meets agency guidelines.
- 27. Don wildland personal protective clothing and shelter according to the manufacturer's guidelines within 60 seconds. Deploy a new generation fire shelter within 30 seconds. Ensure serviceability and availability on the fire line, and recognize defects and report them to a supervisor.
- 28. Recognize defects on wildland tools and equipment and report them to a supervisor, and maintain assigned suppression hand tools and equipment so that assigned equipment may be serviced.
- 29. Describe basic wildland fire behavior.
- 30. Recognize hazards and unsafe situations, promptly communicate hazard(s) and unsafe conditions to a supervisor, and take appropriate action.
- 31. Construct a fire line that conforms to Cal Fire construction standards.
- 32. Describe methods of reducing the threat of fire exposure to improved properties in order to protect them.
- 33. Recognize the presence of hazardous materials and the indicators of a hazardous materials incident, correctly identify the materials involved, take personal protective actions, initiate the appropriate notification process, and secure the area.
- 34. Protect persons, property, and the environment from further harm, initiate the appropriate communications process, and secure the area.
- 35. Perform emergency decontamination procedures, use appropriate personal protective equipment based on hazard, protect exposures, avoid hazards, decontaminate victims and responders, and identify contaminated items and products of contamination for subsequent control.
- 36. Perform basic control, containment, and confinement techniques to control hazardous materials release, and protect emergency responders from contamination.
- 37. Complete California capstone certification for IFSAC/ProBoard Fire Fighter I, Wildland Fire Fighter I, and Hazardous Materials First Responder Operations Level.

#### IV. MEASURABLE OBJECTIVES:

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

- A. Identify levels in the officer certification track
- B. Articulates the duties of a company officer level 1 and those of a level 2
- C. Describe size up information utilizing a ICS 201 form
- D. Implement an Incident Action plan for a given incident
- E. Develop and conduct a post incident plan
- F. Identify elements in compliance with NFPA 1600
- G. Prepare a written report identifying major causes for service demands

#### V. CONTENT:

- A. Introduction
  - 1. Orientation and Administration
  - 2. Fire Officer Certification Process
  - 3. Definition of Duty
- B. Emergency Service Delivery
  - 1. Developing an Initial Plan of Action
  - 2. Implementing a Plan of Action
  - 3. Developing and Conducting a Postincident Analysis
  - 4. Identifying Elements of an Operational Plan to Mitigate an Incident
  - 5. Writing a Report Identifying Service Demand Causes

#### VI. METHODS OF INSTRUCTION:

- A. **Audio-visual Activity** - Using Power point , pow toon or key note presentations
- B. **Discussion** - Facilitated discussions using case studies
- C. **Lecture** - Following the course content found in the Company Officer 2D course plan
- D. **Simulations** - Table top exercises

#### VII. TYPICAL ASSIGNMENTS:

- A. Discussion Questions
  - 1. What are some examples of community changes that would increase service demands?
- B. Activities
  - 1. Size-up and report on conditions
  - 2. Document your plan of action

#### VIII. EVALUATION:

**Methods/Frequency**

- A. Exams/Tests  
daily quizzes final summative exam at the end of the course
- B. Group Projects  
Facilitated group discussions

IX. TYPICAL TEXTS:

1. IFSTA . *Fire and Emergency Company Officer* . 5th ed., IFSTA , 2014.
2. Ward, Michael . *Fire Officer: Principles and Practice* . 3rd Edition ed., Jones and Barlett, 2014.
3. IAFC and NFPA . *Fundamentals of Firefighter Skills*. 4th edition ed., Jones and Barlett Publishing, 2018.
4. IFSTA and Pearson Publisher . *Command and Control: ICS, Strategy Development, and Tactical Selections*. 8th ed., IFSTA , 2018.
5. FIREScope (Fog Guide)  
Field Operations Guide ICS 420, found here:  
<http://firescope.caloes.ca.gov/>
- NFPA 1600,  
Standard on Disaster/Emergency Management and Business Continuity Programs
6. Course plan and free resources for instructors found here at the State Fire Training Web Site:  
<http://osfm.fire.ca.gov/training/CompanyOfficer>

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Access to internet and email for online assignments