

Las Positas College
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Course Outline for FST 22

CO 2C FIRE INSPECTIONS AND INVESTIGATION FOR COMPANY OFFICERS

Effective: Spring 2020

I. CATALOG DESCRIPTION:

FST 22 — CO 2C FIRE INSPECTIONS AND INVESTIGATION FOR COMPANY OFFICERS — 2.50 units

This 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 is a requirement for aspiring Firefighters seeking promotion as a company officer.

2.50 Units Lecture

Prerequisite

-
Must be a current fire fighter.

Grading Methods:

Letter or P/NP

Discipline:

- Fire Technology

	MIN
Lecture Hours:	45.00
Expected Outside of Class Hours:	90.00
Total Hours:	135.00

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

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

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

- Describe the procedures for conducting fire inspections
- Identifying hazards including hazardous materials and properly documenting and conducting follow-up in accordance with adopted policies
- Identify the construction, alarm, detection and suppression features that prevent or contribute to the spread of fire, heat and smoke through a building and develop an occupancy pre-fire plan
- Describe the procedures for securing and incident scene which keeps unauthorized persons from restricted areas and protects evidence from damage or destruction.
- Determine the point of origin and preliminary cause of fire to ascertain if arson is suspected

V. CONTENT:

- Introduction
 - Orientation and Administration
 - Fire Officer Certification Process
- Fire and Life Safety Inspections
 - Fire Inspection Procedures
 - Identify hazards, document and conduct follow-up inspections
 - Features that Prevent or Contribute to Fire Spread
- Fire Investigation
 - Securing Incident Scene
 - Determining the Origin and Cause of Fires

VI. METHODS OF INSTRUCTION:

- Lecture** - as described in the course plan from the California State Marshall curriculum for Company Officer 2C course plan
- Research** - Case study regarding fire cause and origin as it applies to a fire scene
- Classroom Activity** - table top exercises and facilitated small group discussions
- Audio-visual Activity** - Power point, Pow Toon, Key note or any other type of audio visual presentation for the students

VII. TYPICAL ASSIGNMENTS:

- Quizzes-Daily

B. Final Summative Exam - Capstone Exam

VIII. EVALUATION:

Methods/Frequency

- A. Exams/Tests
Initial Assessment Exam Final Summative Written Exam
- B. Group Projects
small group discussions
- C. Class Participation
daily
- D. Home Work
as assigned per instructor
- E. Final Performance
Summative capstone exam Simulations or table top exercises

IX. TYPICAL TEXTS:

1. IAFC and NFPA . *Fundamentals of Firefighter Skills 4th*. 4th edition ed., Jones and Barlett Publishing, 2018.
2. IFSTA and Pearson Publishing . *Fire Inspection and Code Enforcement*. 8th ed., FPP/IFSTA (Pearson), 2018.
3. Ward, Michael . *Fire Officer: Principles and Practice* . 3rd Edition ed., Jones and Barlett Publishing , 2014.
4. IFSTA . *Fire and Emergency Medical Services Company Officer* . 4th ed., IFSTA , 2014.
5. California Fire Chief's Association. *California Fire Inspector's Guide*. California Fire Chief's Association , 2013.
6. Fire Inspections and Investigations for Company Officers Course Plan California
Fire Service Training and Education System, 2014 edition.
FREE materials found here:
<http://osfm.fire.ca.gov/training/pdf/Curriculum/CompanyOfficer2C-CoursePlan.pdf>

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Access to both internet and email and ability to complete online assignments using a laptop or a computer.