

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

FSC 106 - Firefighter I Academy

26 Unit(s)

Prerequisite(s): NONE

Co-requisite(s): FSC 105

Recommended Prep: Reading Level IV; English Level III

Transfer Status: NT

334.5 hours Lecture

320 hours Lab

This course conforms to standards for certification established by the California State Board of Fire Services. Instruction includes basic psychomotor firefighter skills, fire behavior, personnel rules and regulations, professional organizations, fire control techniques and strategies, fireground operations, equipment operations, Incident Command System (ICS), Hazardous Materials (HazMat) operations, terrorism concepts, and loss control. EMS 111 is integrated into this academy. Graded only.

II. OBJECTIVES

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

- A. Demonstrate the manipulative and technical competencies required for California Firefighter I Certification.
- B. Demonstrate the manipulative and technical competencies required for national certification for an Emergency Medical Technician (EMT).

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Lecture	
<u>Topics</u>	<u>Hours</u>
1. Orientation	8.00
2. Organization and Responsibility	9.00
3. Ethics/Sexual Harassment	6.00
4. Protective Equipment	4.50
5. Firefighter Safety	6.00
6. Fire Behavior	7.00
7. Hose, Nozzles, and Fittings	4.00
8. Hose Loads	2.00
9. Hydrants and Hose Lays	2.00
10. Self-Contained Breathing Apparatus (SCBA)/Rescue	7.00
11. Ladders Theory	6.00
12. Ropes and Knots Theory	6.00
13. Ventilation	6.00
14. Fire Extinguishers	3.00
15. Above and Below Ground Evolution Theory	3.00
16. Fire Streams Theory	3.00
17. Forcible Entry	6.00
18. Confined Space Rescue Awareness	3.00

19. Fire Control	6.00
20. Extrication Theory	6.00
21. Communications	6.00
22. Fire Protection Systems	6.00
23. Public Education/Fire Protection	6.00
24. Loss Control	3.00
25. ICS 100/200	12.00
26. HazMat Operational	12.00
27. Swiftwater Rescue Awareness	2.00
28. Fire Investigation	4.00
29. CAL FIRE Basic Firefighter	40.00
30. Live Fire Lecture	2.00
31. Job Acquiring Skills	6.00
32. EMT Instruction	66.00
33. Fire and EMT Testing	37.00
34. Building Construction	6.00
35. Public Utilities	4.00
36. Terrorism Awareness	6.00
37. Rapid Intervention Crew	4.00
38. Truck Company Operations	3.00
39. Administrative Evaluations	4.00
40. Miscellaneous Tools and Equipment	2.00
Total Hours	334.50

Lab

<u>Topics</u>	<u>Hours</u>
1. Hose, Nozzles, and Fittings	8.00
2. Hose Loads	5.00
3. Hydrants and Hose Lays Practical	4.00
4. SCBA/Rescue	7.00
5. Ladders Practical	19.00
6. Ropes and Knots Practical/ Low Angle Rescue	19.00
7. Ventilation Practical	6.00
8. Fire Extinguishers Practical	4.00
9. Above and Below Ground Evolution Practical	6.00
10. Fire Streams Practical	6.00
11. Forcible Entry Practical	6.00
12. Confined Space Rescue Awareness	4.00
13. Extrication Practical	7.00
14. Communications	2.00
15. Loss Control Practical	9.00
16. HazMat Operational	3.00
17. Swiftwater Rescue Awareness	5.00

18.	CAL FIRE Basic Firefighter Practical	12.00
19.	Manipulative Skills Testing/Review	24.00
20.	Live Fire Practical	6.00
21.	Job Acquiring Skills	1.00
22.	EMT Instruction	74.00
23.	EMT Skills Testing/Review	12.00
24.	EMT Clinical	10.00
25.	Rapid Intervention Crew	9.00
26.	Truck Company Operations	4.00
27.	Rehearsal and Graduation	4.00
28.	Drill and Inspection	16.00
29.	Ride-along Program	24.00
30.	Miscellaneous Tools and Equipment Practical	4.00
	Total Hours	320.00

IV. **METHODS OF INSTRUCTION**

- A. Lecture
- B. Group Discussions
- C. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- D. Demonstrations
- E. Reading Assignments

V. **METHODS OF EVALUATION**

- A. Written or Oral Examinations
- B. Psychomotor Performance Exams

VI. **EXAMPLES OF ASSIGNMENTS**

- A. Reading Assignments
 - 1. Read the chapter in your book on Head Trauma and be prepared to discuss related case studies in class.
 - 2. Familiarize yourself with the organization and content of North American Emergency Response Guidebook, and be prepared to identify appropriate responses to scenario-based questions in class.
- B. Writing Assignments
 - 1. Write a minimum 500 word autobiography following the instructions in your Cadet Manual.
 - 2. Write a minimum of 250 word summary report, which details your fire department ride-along experience.
- C. Out-of-Class Assignments
 - 1. Schedule and participate in a ride-along at a local fire station. Be prepared to share your experience in class.
 - 2. Practice your ropes and knots skills. Be prepared to demonstrate a variety of knots in class.

VII. **RECOMMENDED MATERIALS OF INSTRUCTION**

Textbooks:

- A. IFSTA. Essentials of Firefighting. 5th Edition. Prentice-Hall, 2008.

- B. IFSTA. Essentials of Firefighting Study Guide. 5th Edition. Prentice-Hall, 2008.
- C. Mistovich, J. et al. Prehospital Emergency Care. 9th Edition. Brady Books, 2010.
- D. Kuvlesky, E. & Story, C. Prehospital Emergency Care Workbook. 9th Edition. Brady Books, 2010.
- E. U.S. Department of Transportation. North American Emergency Response Guidebook. 1st Edition. U.S. Department of Transportation, 2012.

Materials Other Than Textbooks:

- A. National Wildfire Coordinating Group, ICS Modules 1 thru 6
- B. Firefighting apparatus and equipment

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