

Las Positas College
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**Course Outline for FST 90B
FIRE FIGHTER I CERT PREP B
Effective: Fall 1995**

I. CATALOG DESCRIPTION:

FST 90B — FIRE FIGHTER I CERT PREP B — 2.00 units

Manipulative and technical training in hose evolutions; ladder; evolutions; basic salvage and overhaul techniques; fire attack, control and extinguishment techniques for various situations; Fire Fighter I Graduation Certificate awarded upon successful completion. Students with six months paid experience or 12 months volunteer/work experience may apply for the proof of current completion of a valid Emergency Medical Technician program.

2.00 Units Lecture

Prerequisite

FST 90A - Fire Fighter I Cert Prep
with a minimum grade of C

Grading Methods:

Letter Grade

Discipline:

	<u>MIN</u>
Lecture Hours:	36.00
No Unit Value Lab	18.00
Total Hours:	54.00

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. FST90A

IV. MEASURABLE OBJECTIVES:

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

- A. Correctly identify and safety utilize fire service equipment that will allow forcible entry, lighting and air moving;
- B. Utilize multiple hose lines and operate master stream appliances;
- C. Utilize built-in protective building systems, and select and employ appropriate types of fire extinguishers;
- D. Utilize salvage and overhaul equipment;
- E. Perform fire attack on various types of fire incidents;
- F. Fulfill Units, E, G, J, L, N, P, and R of the California State Fire Fighter I Certification requirements;
- G. Meet the physical fitness demands of the course.

V. CONTENT:

- A. Ventilation
 - 1. equipment
 - 2. methods
- B. Wildland fire fighting
 - 1. ground cover fire behavior
 - 2. strategy and tactics
 - 3. safety
- C. Fire protection systems
 - 1. supplying private protection equipment
 - 2. operate, control, and restore sprinkler systems
 - 3. fire service support and safety measures
- D. Salvage and overhaul
 - 1. salvage operations--purposes, value
 - 2. fundamentals of salvage covers
 - 3. fold and roll covers
 - 4. spread and hang covers
 - 5. improvise with covers
 - 6. protect building contents

- 7. removing water from buildings
- 8. overhaul methods
- 9. restore premises
- E. Ground ladders
 - 1. improvising with ladders
 - 2. utilizing in rescue and ventilation operations
- F. Forcible entry
 - 1. building construction
 - 2. forcible entry equipment
 - 3. jacks
 - 4. portable lighting equipment
- G. Hose line operations
 - 1. laying multiple lines
 - 2. Siamese and wye lines of hose
 - 3. special hose operations
 - 4. hose pack attack
 - 5. reverse hose lay operations
- H. Fire behavior and extinguishment theory
 - 1. classes of fire
 - 2. theory and fundamentals of combustion
 - 3. effect of extinguishing agent application
- I. Portable extinguishers
 - 1. characteristics
 - 2. operation
 - 3. safety precautions
- J. Hazardous materials
 - 1. definitions
 - 2. identification systems
- K. Rescue operations
 - 1. rappelling and safety
 - 2. mechanical advantage principles
 - 3. Stokes basket rescue and safety
- L. Fire stream applications
 - 1. characteristics
 - 2. selection
 - 3. point of application
 - 4. master stream
 - 5. safety
- M. Fire attack
 - 1. flammable liquid fire attack
 - 2. interior fire attack procedures
 - 3. house fire attack
 - 4. live fire safety
 - 5. target hazard emergencies (search/rescue, fire attack)

VI. METHODS OF INSTRUCTION:

- A. **Discussion** -
- B. Audio-visual presentations
- C. Diagnostic quizzes
- D. **Lecture** -
- E. **Field Trips** -
- F. Student performance
- G. **Guest Lecturers** -

VII. TYPICAL ASSIGNMENTS:

VIII. EVALUATION:

- A. **Methods**
 - 1. Exams/Tests
 - 2. Quizzes
 - 3. Class Performance
 - 4. Other:
- B. **Frequency**

IX. TYPICAL TEXTS:

- 1. - *IFSTA 200 - Essentials of Fire Fighting.*, IFSTA, 0.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Gloves
- B. Work boots
- C. Dark black pants (without holes, rips, tears, or frayed ends or edges)
- D. White T-shirt (without holes, rips, tears, or frayed ends or edges)
- E. Comfortable clothing for physical agility exercise requirements