

Las Positas College  
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## Course Outline for FST 92

### FIRE FIGHTER II CERT PREP

Effective: Spring 2017

#### I. CATALOG DESCRIPTION:

FST 92 — FIRE FIGHTER II CERT PREP — 4.00 units

Manipulative and technical training in fire protection water supply, self-contained breathing apparatus, fire service equipment inspection and maintenance, advanced hose and ladder operations, fire attack and control procedures, and radiological monitoring. Designed to develop the abilities of the employed or volunteer fire fighter to perform the objectives stated in the Fire Fighter II Certification guidelines.

3.50 Units Lecture 0.50 Units Lab

#### Prerequisite

-  
 with a minimum grade of C

-  
 with a minimum grade of C

FST 70B - Advanced Rescue Practices  
 with a minimum grade of C

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#### Grading Methods:

Letter Grade

#### Discipline:

	<u>MIN</u>
<b>Lecture Hours:</b>	63.00
<b>Lab Hours:</b>	27.00
<b>Total Hours:</b>	90.00

#### 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. FST70B

#### IV. MEASURABLE OBJECTIVES:

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

- A. Inspect and maintain fire service equipment, hose ladders, ropes, extinguishers;
- B. Utilize and test fire hydrants and water supply systems for flows;
- C. Perform advanced hose and ladder operations;
- D. Utilize radiological monitoring equipment;
- E. Explain fire attack, strategy, and tactics, given situations;
- F. Meet the minimum training requirements established for California State Fire Fighter II Certification requirement;
- G. Meet the physical fitness demands of the course.

#### V. CONTENT:

- A. Fire protection water supply
  1. sources of supply and physical features of system
  2. hydrants and water system pressures
  3. wet and dry barrel hydrants
- B. Protective equipment and safety
  1. specialized protective clothing
  2. safety precautions
- C. Self-Contained Breathing Apparatus
  1. inspecting, cleaning, and sanitizing

- 2. recharging
- 3. service duration
- D. Inspection and maintenance of fire service equipment
  - 1. hand, power, and hydraulic tools
  - 2. rope
  - 3. foam producing devices
  - 4. lighting equipment
  - 5. portable extinguishers
  - 6. resuscitation equipment
- E. Hose, nozzles, and fittings
  - 1. inspection and maintenance
  - 2. characteristics of nozzles
- F. Ground ladders
  - 1. inspection and maintenance
  - 2. improvising
  - 3. rescue
- G. Fire control
  - 1. strategy and tactics management
  - 2. mutual aid plans
  - 3. state fire and rescue emergency plan
  - 4. fire attack considerations
  - 5. large attack considerations
- H. Radiological monitoring
  - 1. detection equipment
  - 2. protective measures
- I. Advanced fire fighting operations
  - 1. engine company
  - 2. truck company
  - 3. multi-company

#### VI. METHODS OF INSTRUCTION:

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

#### VII. TYPICAL ASSIGNMENTS:

#### VIII. EVALUATION:

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

No longer taught

#### IX. TYPICAL TEXTS:

- 1. - *Fire Fighter II Workbook.*, State Fire Marshal's Office, 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