

COLLEGE OF SAN MATEO

COURSE OUTLINE

DEPT. & NUMBER: FIRE 680/789

COURSE TITLE: Recruit Firefighter Training

UNITS: 15.5

LECTURE HOURS/WEEK: 11.3 LAB HOURS/WEEK: 28.7 OTHER HOURS/WEEK: 0.0

LENGTH OF COURSE: SEMESTER-LONG SHORT COURSE (SPECIFY NO. OF WEEKS 12)

OPEN ENTRY/OPEN EXIT

GRADING: LETTER CREDIT/NO CREDIT GRADE OPTION (Letter or C/NC)

1. **PREREQUISITE** (Attached is Prerequisite/Corequisite Validation Form A, B, C, D, E):

Sponsorship by a fire service agency as a professional firefighter.

2. **COREQUISITE** (Attached is Prerequisite/Corequisite Validation Form A, B, C, D, E):

None.

3. **RECOMMENDED PREPARATION:**

None.

4. **CATALOG DESCRIPTION** (Including Prerequisites/Corequisites/Recommended Preparation):

FIRE 680/789 Recruit Firefighter Training (15.5)

136 lecture hours and 344 lab hours per session. **Prerequisite:** Sponsorship by a fire service agency as a professional firefighter. Course for in-service and pre-service instruction in basic firefighter skills and knowledge. Includes all areas of fire suppression, handling hose/ladders, operating hand and power tools, completing salvage functions, performing rescue operations, and responding to hazardous materials emergencies. This is an intensive, physically demanding course meeting daily for eight hours. For state certification as a firefighter and/or to receive a "Certificate of Completion" for firefighter training from the College of San Mateo, the student must be EMT certified.

5. **CLASS SCHEDULE DESCRIPTION** (Including Prerequisites/Corequisites/Recommended Preparation):

FIRE 680/789 Recruit Firefighter Training (15.5)

136 lecture hours and 344 lab hours per session. **Prerequisite:** Sponsorship by a fire service agency as a professional firefighter. Course for in-service and pre-service instruction in basic firefighter skills and knowledge. Includes all areas of fire suppression, handling hose/ladders, operating hand and power tools, completing salvage functions, performing rescue operations, and responding to hazardous materials emergencies. This is an intensive, physically demanding course meeting daily for eight hours. For state certification as a firefighter and/or to receive a "Certificate of Completion" for firefighter training from the College of San Mateo, the student must be EMT certified.

TOPICAL OUTLINE

- I. Introduction
 - A. Course structure and objectives
 - B. Facilities and equipment
 - 1. College of San Mateo
 - 2. Specialized Training Facilities

- II. Organization and Fire Control
 - A. Laws and regulations affecting the Fire Service
 - B. Fire service personnel and functions
 - C. Fire behavior
 - D. Fire strategy

- III. Equipment Operation
 - A. Forcible entry and miscellaneous tools
 - B. Lifting and hoisting equipment

- IV. Extinguishers and Protective Equipment
 - A. Protective equipment
 - B. Extinguishers, proportioners and generators
 - C. Personal and protective clothing and SCBAs
 - D. Rescue equipment and auto extrication

- V. Hose, Nozzles and Fittings
 - A. Hydrant operation
 - B. Lay single hose lines
 - C. Couple hose
 - D. Roll, fold, carry, drag, reel and unreel hose
 - E. Connect and operate nozzles, valves, fittings and other hose appliances
 - F. Determine range and reach of fire streams
 - G. Load hose on fire apparatus

- VI. Hose Evolutions
 - A. Lay multiple lines of hose
 - B. Extend and reduce lines of hose
 - C. Siamese and Wye lines of hose
 - D. Connect hose lines to auxiliary appliances
 - E. Operate master stream appliances
 - F. Lay and operate hose lines above and below street level

- VII. Fire Service Ladders
 - A. Carry, raise and lower ladders
 - B. Climb, lock-in on and foot ladders
 - C. Use ladders as improvised equipment

6. **COURSE OBJECTIVES**

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

1. Apply firefighting skills to accomplish specific tasks and synthesize various skills and knowledge to specialized problems experienced in the fire service;
2. Integrate fire suppression tactics and skills to become aware of creative approaches to fire extinguishment and prevention;
3. Learn and synthesize the organizational relationship of ethics, values and principles in the fire service; and
4. Integrate knowledge and characteristics of hazardous materials to safely and effectively mitigate potential hazardous materials emergencies.

7. **COURSE CONTENT AND SCOPE:**

(Attach topical outline)

8. **INSTRUCTIONAL METHODOLOGIES** *(Instructor-initiated learning strategies):*

- Lecture
- Video presentations
- Skills demonstrations

9. **MULTIPLE METHODS OF EVALUATION** *(Measurements of student achievement):*

- Weekly written quizzes
- Skills evaluation exercises
- Final written and practical tests

10. **RECOMMENDED TEXT MATERIALS:**

Essentials of Firefighting, IFSTA 3rd Edition

11. **REQUIRED OUT-OF-CLASS ASSIGNMENTS** *(Supplemental reading, outside projects):*

- Assigned reading and projects
- Skills practice

12. **WRITING ASSIGNMENTS/PROFICIENCY DEMONSTRATION:**

- Quizzes
- Final Written Examination
- Skills Exercises
- Final Skills Evaluation