

COURSE OUTLINE

**Fire Technology 151
Fire Instructor 1B**

I. Catalog Statement

Fire Technology 151 is the second of a two-course series providing fire service personnel with a variety of methods and techniques for selection, development, application and analysis of evaluative measures applicable to fire service instruction. Student teaching demonstrations are required of each participant.

Total Lecture Units: 2.0

Total Course Units: 2.0

Total Lecture Hours: 32.0

Total Faculty Contact Hours: 32.0

Prerequisite: Fire Technology 150 or employment in a fire related occupation.

Recommended preparation: Eligibility for English 120 or ESL 151.

II. Course Entry Expectations

Skills Level Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 3.

Prior to enrolling in the course, the student should be able to:

1. identify instructional terms and concepts associated with vocational education;
2. identify a variety of methods and techniques for training subordinates in accordance with the latest concepts in vocational education;
3. analyze personnel to select, develop, organize, and utilize instructional materials appropriate for teaching manipulative lessons;
4. demonstrate the application of major principles of learning through teaching demonstrations;

III. Course Exit Standards

Upon successful completion of the required coursework, the student should be able to:

1. satisfy portions of the NFPA 1021 command standards for Fire Officer I, II, and III;
2. satisfy one of the educational requirements for Certified Fire Officer;
3. satisfy the prerequisites for Level 2 Command series offered by State Fire Training;
4. identify a variety of methods and techniques for training their subordinates in accordance with the latest concepts in vocational education;

5. develop fire service personnel to select, organize and utilize instructional materials appropriate for teaching technical lessons;
6. analyze the various criteria and methods to evaluate teaching and learning efficiency;
7. demonstrate the major principles of learning through practice teaching demonstrations;
8. describe the professional preparation courses which lead to Standard-Designated Subjects Teaching Credential (part-time, fire science) and/or Limited Services (fully satisfied) Teaching Credentials;
9. identify the material and information which leads to Fire officer Certification within the State of California;
10. identify the criteria for successfully completing the Fire Officer Certification and Fire Instructor I requirements.

IV. Course Content

Total Faculty Contact Hours = 32

A. Introduction	5 hours
1. Orientation and administration	
2. Introduction to Fire Instructor 1B	
3. Review of instructor qualities and responsibilities	
4. Review of course outline development	
5. Review of levels of instruction	
6. Review of behavioral objectives	
B. Construction and Utilization of Technical Lesson Plans	4 hours
C. Introduction to Test Measurement	3 hours
D. Construction of Evaluation Instruments	3 hours
E. Test Preparation and Planning	3 hours
F. Supplementary Instruction Sheets	1 hour
G. Review on Evaluation of Teaching Techniques	1 hour
H. Teaching Demonstrations	8 hours
I. Effective Instruction	2 hours
J. Teaching Credential and Instructional Path	2 hours

V. Methods of Instruction

The following methods of instruction may be used in the course:

1. lecture;
2. demonstration;
3. simulation.

VI. Out of Class Assignments

The following out of class assignments may be used in the course:

1. individual projects (i.e. written assignment, reading reports);
2. group projects (i.e. Homework problems, problem solving demonstrations, discussion on textbook topics).

VII. Methods of Evaluation

The following methods of evaluation may be used in the course:

1. daily verbal evaluation of instructor;
2. quizzes;
3. midterm examination;
4. student teaching demonstrations;
5. final examination.

VIII. Textbooks

International Fire Service Training Association (IFSTA), Fire and Emergency Services Instructor [8th Edition]. Stillwater, OK: Fire Protection Publications, 2012.
10th Grade Textbook Reading Level. ISBN: 0879394412

IX. Student Learning Outcomes

1. Students will be able to discuss the NFPA 1021 command standards for Fire Office I, II, and III.
2. Students will be able to identify advanced methods and techniques for training subordinates.
3. Students will be able to analyze personnel to select, develop, organize, and utilize instructional materials appropriate for teaching manipulative lessons.