

COURSE OUTLINE

**Fire Technology 150
Fire Instructor 1A**

I. Catalog Statement

Fire Technology 150 offers students the basic methods and techniques employed by fire service personnel to select, develop, and organize material for in-service training programs, evaluation, and application of principles of skills development through practice teaching demonstrations. This is the initial offering of a two-course series. This course applies to California Fire Service Training and Education System Certifications.

Total Lecture Units: 2.0

Total Course Units: 2.0

Total Lecture Hours: 32.0

Total Faculty Contact Hours: 32.0

Prerequisite: Fire Technology 101 or employment in a fire related occupation.

Recommended preparation: Eligibility for English 120 or ESL 151.

II. Course Entry Level Expectations

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

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

IV. Course Content

Total Faculty Contact Hours = 32

A. Introduction	3 hours
1. Orientation administration	
2. Introduction to Fire Instructor 1A	
3. Instructor qualities and responsibilities	
4. Course development	
5. Terminology overview	
B. Psychology of Learning	2 hours
C. Utilization of the Occupational Analysis	1 hour
D. Course Outline Development	2 hours
E. Job Breakdown Development	2 hours
F. Presenting the Instruction	1 hour
G. Four-Step Method of Instruction	1 hour
H. Manipulative Lesson Plan Components	1 hour
I. Levels of Instruction	2 hours
J. Student Behavioral Objectives	3 hours
K. Manipulative Lesson Plan Development	2 hours
L. Identifying the Impact of EEO and AA	1 hour
M. Methods of Manipulative Lesson Plan Delivery	2 hours
N. Methods Used to Evaluate Teaching Demonstrations	1 hour
O. Teaching Demonstrations	8 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 a variety of 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.