

COURSE OUTLINE
Fire Prevention and Inspection

SECTION I

SUBJECT AREA AND COURSE NUMBER: Fire Technology – FTA 118

COURSE TITLE: Fire Prevention and Inspection

COURSE CATALOG DESCRIPTION: This course presents an historical fire prevention preview leading to contemporary prevention techniques. The role of the National Fire Protection Agency's prevention programs will be discussed in detail. The Connecticut Life Safety Code and the role of local, state (CT State Fire Marshal's Office), and federal agencies will be presented.

LECTURE HOURS PER WEEK: 3 **CREDIT HOURS:** 3

LAB HOURS PER WEEK: 0

PREREQUISITES: FTA 112 or permission of the instructor

SECTION II

- A. **SCOPE:** Students will explore information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention to build-in fire protection systems, fire investigation, and fire and life-safety education.
- B. **REQUIRED WORK:** Students will be expected to complete all assigned readings and homework and submit all written work on time.
- C. **ATTENDANCE AND PARTICIPATION:** Regular attendance and class participation are expected.
- D. **METHODS OF INSTRUCTION:** The methods of instruction are determined by each instructor and may include but are not limited to lecture/discussion, small group tasks, collaborative learning, experimental/exploration, distance learning, student presentations, or use of technologies such as audio-visual materials, computers, and internet.

E. OBJECTIVES, OUTCOMES, AND ASSESSMENT: The following objectives and outcomes represent the department's core requirements for student achievement:

LEARNING OUTCOMES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
1. The student's role in the learning process	a) Attend regularly, on time, and stay for entire class period; b) Complete assignments and contribute positively to the class	Attendance records Class records
2. The history and philosophy of fire prevention	Identify and explain significant historical events	Class discussion, homework, exam
3. The development of fire prevention codes	Identify the basic code development process	Class discussion, homework, Exam
4. The CT State Fire Safety Code (CSFSC)	Develop a working knowledge of the CSFSC and understand its application	Class exercises, homework
5. Municipal fire service prevention techniques	Explain various prevention programs employed	Class discussion, exam
6. Fire prevention personnel roles	Identify responsibilities of various prevention positions	Class discussion, exam
7. Fire prevention inspection procedures	Identify the steps in a proper fire prevention inspection	Field exercise, exam
8. The mechanics of code enforcement	Identify the steps of code enforcement and violation abatement and explain the modification process	Class discussion, exam
9. Developing a fire prevention presentation	Present a fire prevention program to the class	Group presentation
10. The role of fire prevention efforts	Explain various private prevention efforts	Individual research project
11. The arson problem	Identify motives for arson and profiles of an arsonist	Class discussion, exam
12. Fire prevention research efforts	Identify organizations involved in fire research	Class discussion, homework, exam
13. International fire prevention efforts	Compare/contrast United States Programs to others	Individual research project
14. The effectiveness of fire prevention	Gather data and develop a report	Student presentation

F. TEXTS AND MATERIALS: As selected by instructor

G. INFORMATION TECHNOLOGY: As determined by instructor