



FSC 12 - Fundamentals of Fire Prevention

Catalog Description

Transfer Status: CSU

Unit(s): 3.00

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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Course Description: This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. (C-ID FIRE 110X).

Objectives

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

1. Identify laws, codes ordinances and regulations as they relate to fire prevention.
2. Explain code enforcement as it impacts life and property loss.
3. Define the national fire problem and the role of fire prevention.
4. Identify and describe fire prevention organizations and associations.
5. Define laws, rules, regulations, and codes, and identify those relevant to fire prevention of the authority having jurisdiction.
6. Define functions of a fire prevention bureau.
7. Describe the functions of a fire prevention bureau.
8. Describe inspection practices and procedures.
9. Identify and describe the standards for professional qualification for Fire Marshal, Plans Examiner, Fire Inspector, Fire and Life safety Educator, and Fire Investigator.
10. List opportunities in professional development for fire prevention personnel.

Course Content

Topic Titles / Suggested Time Topic	
	<u>Lecture</u>
<u>Topics</u>	<u>Lec Hrs</u>
National Fire Problem and Role of Fire Prevention	4.00
Fire Prevention Organizations and Associations	2.00
Laws, Rules, Regulations and Codes	8.00
Fire Prevention Bureau Functions	12.00
Tools and Equipment	7.00
Roles and Responsibilities of Fire Prevention Personnel	12.00
Professional Certification	4.00
Professional Development	2.00
Total Hours: 51.00	

Methods of Instruction

- A. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- B. Lecture
- C. Handouts
Audiovisual

Methods of Evaluation

- A. Projects
- B. Homework
- C. Written Assignments
- D. Written Examinations

Examples of Assignments

Reading Assignments

1. Read a chapter from the textbook regarding degrees of fire, and be prepared to complete a worksheet on the material.

2. Locate and read an article about a historic fire event at a specified type of structure, and be prepared to discuss in class.

Writing Assignments

1. Develop an educational fire prevention brochure suitable for publication and distribution.
2. Research a topic related to fire prevention, and write a minimum two page report.

Out-of-Class Assignments

1. Conduct a fire prevention inspection of a specified type of structure, and be prepared to discuss in class.
2. Prepare a Powerpoint presentation detailing your group's inspection of a unique type of structure.

Recommended Materials of Instruction

IFSTA. (2016). Fire Inspection and Code Enforcement. *Fire Protection Publications, 8th*.

Valentine, P., Lacey, B. (2005). Fire Prevention Applications. *IFSTA, 1st*.

Cote, A. E. (2008). Fire Protection Handbook. *NFPA, 20th*.

Minimum Qualifications

Fire Technology

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Date: 04/17/2017