

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: FST 115 Credits: 3

Course Title: Fire Prevention

Course Description:

Provides fundamental 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 with built-in fire protection systems, fire investigation, and fire and life-safety education. Lecture 3 hours per week.

General Course Purpose:

Introduces students to fire safety and hazards and when so directed, establishes a preventive-maintenance program that will reduce fire hazards.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completion of this course, you will be able to:

- xDefine the national fire problem and role of fire prevention;
- xIdentify and describe fire prevention organizations and associations;
- xDefine laws, rules, regulations and codes, and identify those relevant to fire prevention of the authority having jurisdiction;
- xDefine the functions of a fire prevention bureau;
- xDescribe inspection practices and procedures;
- xIdentify and describe the standards for professional qualifications for Fire Marshal; Plans Examiner, Fire Inspector, Fire and Life Safety Educator, and Fire Investigator;
- xList opportunities in professional development for fire prevention personnel;
- xDescribe the history and philosophy of fire prevention.
- x

Major Topics to Be Included:

1. National Fire Problem and Role of Fire Prevention
 - a. Definition
 - b. Historical Overview
 - c. Data Analysis/GIS
 - d. Current Trends of Fire Prevention
2. Fire Prevention Organizations and Associations
 - a. Public — Federal, State and Local
 - b. Private — International, National and Regional
3. Laws, Rules, Regulations and Codes
 - a. Definitions
 - b. Applicability
 - c. Interrelationship

- d. Limitations
- 4. Fire Prevention Bureau Functions
 - a. Data Collection and Analysis
 - b. Plans Review
 - c. Fire Inspections
 - d. Fire and Life Safety Education
 - e. Fire Investigations
- 5. Tools and Equipment
 - a. Data Collection and Analysis
 - b. Plans Review
 - c. Fire Inspections
 - d. Fire and Life Safety Education
 - e. Fire Investigations
- 6. Roles and Responsibilities of Fire Prevention Personnel
 - a. Data Collection and Analysis
 - b. Code Development and Interpretation
 - c. Training and Education
 - d. Enforcement
 - e. Management

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