

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** FST 100

**Credits:** 3

**Course Title:** Principles of Emergency Services

**Course Description (including lecture hours, lab hours, total contacts)**

Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and, introduction to fire strategy and tactics. Lecture 3 hours per week.

**Course Prerequisites/Corequisites** (*Entry-level competencies **required** for enrollment*)

None

**Course Objectives** (Each item should complete the following sentence.)

1. Describe and discuss the components of the history and philosophy of the modern day fire service.
2. Analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine the main factors that influence fire spread and fire behavior.
3. Differentiate between fire service training and education; fire protection certificate program and a fire service degree program; and explain the value of education in the fire service.
4. List and describe the major organizations that provide emergency response service and illustrate how they interrelate within the Incident Command System (ICS)
5. Identify fire protection and emergency-service careers in both the public and in the private sector.
6. Synthesize the role of national, state and local support organizations in fire protection and emergency services.
7. Discuss and describe the scope, purpose, and organizational structure of fire and emergency services.
8. Describe the common types of fire and emergency services facilities, equipment, and apparatus.
9. Compare and contrast effective management concepts for various emergency situations.
10. Identify and explain the components of fire prevention including code enforcement, public information, and public and private fire protection systems.
11. Identify and analyze the major causes involved in line of duty firefighter deaths related to health, wellness, fitness and vehicle operations.

## **Major Topics to be Included**

1. History and philosophy of the modern day fire service
2. Components of fire as a chemical reaction, the major phases of fire, and the main factors that influence fire spread and fire behavior.
3. Distinction between fire service training and education and the value of education in the fire service
4. Description of the major organizations that provide emergency response service and how they interrelate within the Incident Command System (ICS)
5. Identify fire protection and emergency-service careers in both the public and in the private sector
6. Role of national, state and local support organizations in fire protection and emergency services
7. Scope, purpose, and organizational structure of fire and emergency services
8. Common types of fire and emergency services facilities, equipment, and apparatus
9. Management concepts for various emergency situations
10. Components of fire prevention including code enforcement, public information, and public and private fire protection systems
11. Causes involved in line of duty firefighter deaths related to health, wellness, fitness and vehicle operations

**Effective Date of Course Content Summary (Month, Date Year):** September 10, 2008