

Prepared by the Department of Social Sciences, Behavioral Sciences, and Human Services

Date of Departmental Approval: January 31, 2017

Date approved by Curriculum and Programs: February 15, 2017

Effective: Fall 2017

1. **Course Number:** FSC150
Course Title: Principles of Emergency Services
2. **Description:** (replaces FSC100) This course provides an overview of fire protection and emergency services; career opportunities in fire protection related fields; culture and history of emergency services; 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, fire strategy, and tactics; and life safety initiatives.
3. **Student Learning Outcomes:** (instructional objectives, intellectual skills)
Upon successful completion of this course, students are able to do the following.
 - Illustrate and explain the history and culture of the fire service
 - Analyze the basic components of fire as a chemical chain reaction
 - Analyze the major phases of fire
 - Examine the main factors that influence fire spread and fire behavior
 - Differentiate between fire service training and education and explain the value of higher education to the professionalized fire service
 - Describe the major organizations that provide emergency response service and illustrate how they interrelate
 - Identify fire protection and emergency service careers in both public and private sector
 - Define the role of national, state, and local support organizations in fire and emergency services
 - Discuss the scope, purpose, organization and structure of fire and emergency services
 - Describe the common types of fire and emergency service facilities, equipment, and apparatus
 - Compare and contrast effective management concepts for various emergency situations
 - Identify the primary responsibilities of fire prevention personnel, including, code enforcement, public information, and public and private protection systems
 - Recognize the components of career preparation and goal setting
 - Describe the importance of wellness and fitness as it relates to emergency services
4. **Credits:** 3 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisites:** ENL108 (Critical Reading & Thinking) or satisfactory basic skills assessment scores
7. **Semester Offered:** Varies
8. **Suggested General Guidelines for Evaluation:** Exams, quizzes, and class projects
9. **General Topical Outline:**
 - Illustrate the history of the fire service
 - Describe the components and development of fire and emergency services
 - Recognize careers in fire and emergency services

See Outline attached.

FSC150. Principles of Emergency Services – Outline

- I. Careers in the Fire Protection/Emergency Services
 - A. Opportunities/Private, Industrial, Local, Municipal, State and Federal
 - B. Pay, Hours of Duty, Benefits, Promotions, and Retirement Qualifications
 - C. Work, Ethics, Human Relations, Education and Training
 - 1. Certificates
 - 2. Degrees
 - D. Selection Process
- II. History
 - A. Evolution of Fire Protection
 - B. The U.S. Fire Problem; Life and Property
- III. Fire Prevention and Public Fire Education
 - A. Fire Investigation
 - B. Code Enforcement
 - C. Public Education
- IV. Scientific Terminology
 - A. Fire Behavior
 - B. Flammability and Characteristics of Solids, Liquids, and Gases
- V. Building Design and Construction
- VI. Fire Detection and Suppression
- VII. The Role of Public and Private Support Organizations
 - A. Local
 - B. State
 - C. Federal and National
 - D. International
- VIII. Fire and Emergency Services Equipment and Facilities
- IX. Management
 - A. Emergency Operations
 - B. Organizational Structure of Fire and Emergency Services