

# COURSE SYLLABUS

<b>LAST REVIEW</b>	Spring 2021
<b>COURSE TITLE</b>	Principles of Emergency Services
<b>COURSE NUMBER</b>	FRSC 0116
<b>DIVISION</b>	Health Professions
<b>DEPARTMENT</b>	Fire Science
<b>CIP CODE</b>	43.0203
<b>CREDIT HOURS</b>	3
<b>CONTACT HOURS/WEEK</b>	Class: 3
<b>PREREQUISITES</b>	None
<b>COURSE PLACEMENT</b>	Students must meet the correct placement measure for this course. Information may be found at: <a href="https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html">https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html</a>

## COURSE DESCRIPTION

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and 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; introduction to fire strategy and tactics; life safety initiatives.

## PROGRAM LEARNING OUTCOMES

1. Demonstrate physical skills needed for employment as a firefighter.
2. Explain fire behavior.
3. Apply emergency management skills to provide basic emergency medicine in the field.
4. Evaluate strategy and tactics related to fire safety, survival techniques, and fire management.
5. Explain legal issues related to fire services administration.
6. Demonstrate employability skills necessary for completing the job search process.

## TEXTBOOKS

<http://kckccbookstore.com/>

## **METHODS OF INSTRUCTION**

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom.

Methodology will be selected to best meet student needs.

## **COURSE OUTLINE**

- I. Careers in the Fire Protection/Emergency Services
  - A. Opportunities/Private, Industrial, Local, Municipal, State and Federal
  - B. Pay, Hours of Duty, Benefits, Promotion and Retirement Qualifications
  - C. Work Ethics and Human Relations Education and Training
    - i. Certificates
    - ii. Degrees
    - iii. Selection Process
- II. History
  - A. Evolution of the 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 Systems
- 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 Management
  - A. Emergency Operations
  - B. Organizational Structure of Fire and Emergency Services

## **COURSE LEARNING OUTCOMES**

Upon successful completion of this course, the student will:

- A. Illustrate and explain the history
- B. Evaluate the culture of the fire service.
- C. Analyze the basic components of fire as a chemical chain reaction, as well as the major phases of fire.
- D. Examine the main factors that influence fire spread and behavior.
- E. List and describe the major organizations that provide emergency response service, and illustrate how they interrelate.
- F. Explain the scope, purpose, and organizational structure of fire and emergency services.
- G. Differentiate between fire service training and education.
- H. Explain the value of higher education to the professionalization of the fire service.
- I. Define the role of national, State, and local support organizations in fire and emergency services.
- J. Describe the common types of fire and emergency services facilities, equipment, and apparatus.
- K. Compare and contrast effective management concepts for various emergency situations.
- L. Identify fire protection and emergency-services careers in both public and private sector.
- M. Explain the primary responsibilities of fire prevention personnel, including code enforcement, public information, and public and private protection systems.
- N. Develop the components of career preparation and goal setting.
- O. Demonstrate the importance of wellness and fitness as it relates to emergency services.

## **ASSESSMENT OF COURSE LEARNING OUTCOMES**

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

## **COLLEGE POLICIES AND PROCEDURES**

*Student Handbook*

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

*College Catalog*

<https://www.kckcc.edu/academics/catalog/index.html>

*College Policies and Statements*

<https://www.kckcc.edu/about/policies-statements/index.html>

*Accessibility and Accommodations*

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.