

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Principles of Fire and Emergency Services Safety and Survival
COURSE NUMBER	FRSC 0204
DIVISION	Health Professions
DEPARTMENT	Fire Science
CIP CODE	43.0203
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	None
COURSE PLACEMENT	Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

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. Introduction
 - A. History of Fire Service Culture
 - B. Organizational Culture
 - C. Individual Role in Culture/Behavior
 - D. History of Line of Duty Deaths and Injuries Statistics
 - E. Defining the Nature of the Problem

- II. The National Context, Health and Safety
 - A. NFPA, OSHA
 - B. Medical and Fitness Standards
 - C. Data Collection (NFIRS)
 - D. Research/Investigation (NIST, NIOSH)

- III. Training, Equipment, Response
 - A. Training, Certification, Credentialing
 - B. Apparatus and Equipment
 - C. Emergency Response– Response to Emergency Scenes
 - D. Violent Incidents
 - E. Emerging Technologies

- IV. Organizational Health and Safety Profile
 - A. Personal and Organizational Accountability
 - B. Present Condition/Culture
 - C. Investigations -Internal
 - D. Analyzing your Profile
 - E. Utilizing Grants to Meet Needs

- V. Risk Management
 - A. Risk Management Concepts and Practices
 - B. Unsafe Acts
 - C. Empowerment Definition

- VI. Prevention
 - A. Home Fire Sprinklers
 - B. Code Enforcement
 - C. Public Education/Fire and Life Safety
 - D. Counseling and Psychological Support

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- A. Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability, and personal responsibility.
- B. Explain the need for enhancements of personal and organizational accountability for health and safety.
- C. Define how the concepts of risk management affect strategic and tactical decision-making.
- D. Describe and evaluate circumstances that might constitute an unsafe act
- E. Explain the concept of empowering all emergency services personnel to stop unsafe acts.
- F. Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications.
- G. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.
- H. Explain the vital role of local departments in national research and data collection systems.
- I. Illustrate how technological advancements can produce higher levels of emergency services safety and survival.
- J. Explain the importance of investigating all near-misses, injuries, and fatalities.
- K. Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.
- L. Describe how obtaining grants can support safety and survival initiatives.
- M. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries, and deaths.
- N. Explain how the increase in violent incidents impact safety for emergency services personnel, when responding to emergency scenes.
- O. Recognize the need for counseling and psychological support for emergency services personnel and the families, as well as identify access to local resources and services.
- P. Describe the importance of public education as a critical component of life safety programs.
- Q. Discuss the importance of fire sprinklers and code enforcement.
- R. Explain the importance of safety in the design of apparatus and equipment.

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>.