

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Introduction to Homeland Security and Weapons of Mass Destruction
COURSE NUMBER	FRSC 0170
DIVISION	Health Professions
DEPARTMENT	Fire Science
CIP CODE	43.0302
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

The world has changed since September 11, 2001. We remain a Nation at risk from terrorist attacks and will remain so for the foreseeable future. At all Threat Conditions, the fire service must remain vigilant, prepared, and ready to deter terrorist attacks. This course presents threat conditions and how the fire service can reduce the risks from terrorist attacks. Preparedness measures are provided to assist agencies in the development and implementation of appropriate agency-specific preparedness measures.

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. Terrorism
 - A. Terrorism Defined
 - B. Globalization
 - C. Weapons of Mass Destruction
 - D. Threat Issues
 - E. Federal Asset, First Responder Integration

- II. National Incident Management System
 - A. Incident Command History
 - B. The Incident command System
 - C. The Command Staff
 - D. ICS Management Principles
 - E. ICS Operations
 - F. Logistics
 - G. Planning
 - H. Administration/Finance
 - I. Other Components of NIMS

- III. National Response
 - A. History
 - B. NRF Strategy
 - C. The Preparedness Cycle
 - D. NRF Roles and Responsibilities
 - E. National Response Doctrine
 - F. National Response Structure
 - G. Emergency Support Functions

- IV. Critical Infrastructure Protection, Emergency Response and Management
 - A. United States Policy of Protection
 - B. The Role of the Department of Homeland Security

- V. Planning for Terrorism
 - A. The NIMS and NRF Templates for Planning
 - B. Operations
 - C. Resource Management
 - D. Administration

- E. Comprehensive Planning
 - F. EOP Summary
 - G. The Incident Action Plan
 - H. The IAP Briefing Cycle
- VI. Terrorism Response Procedures
- A. Convergent Responders
 - B. Scene Awareness
 - C. Active Shooter Response
 - D. New Scene- New Surprises
 - E. The First Arriving Unit
 - F. Scene Control
 - G. Response Training
 - H. Medical Facility Response
- VII. Operations Security, Site Security, and Terrorism Incident Response
- A. OPSEC
 - B. Incident Management/ Unified Command
 - C. Media and Dignitaries
 - D. OPSEC/ Site Security Demands for Off-Site Operations
 - E. OPSEC/ Site Security for a Terrorist Incident
 - F. Establishing a Perimeter
- VIII. Weapons of Mass Effect- Chemical Terrorism and Warfare Agents
- A. Cyanide
 - B. Vesicants
 - C. Lewisite
 - D. Pulmonary Agents
 - E. Riot Control Agents
 - F. Triage
- IX. Weapons of Mass Effect- Biological Terrorism
- A. Threat Assessment
 - B. Possible Biotoxins
 - C. Possible Live Bacteriological Warfare Agents
- X. Weapons of Mass Effect-Radiation
- A. Radiation Measurements
 - B. Internal Radiation Exposure
 - C. Characteristics of Radiation
 - D. Medical Effects of Radiation
 - E. Radiation Accidents
 - F. Radiological Terrorism
 - G. Responder Tactical Actions

- XI. Weapons of Mass Effect- Explosives
 - A. Explosive Physics
 - B. Types of Explosives
 - C. Improvised Explosive Devices
 - D. Chemical, Nuclear, Biological
 - E. Pipe Bombs
 - F. Suicide Bombings
 - G. Secondary Devices
 - H. Safety Precautions
 - I. Basic Search Techniques

- XII. Mass Casualty Decontamination
 - A. Basic Principles of Decontamination

- XIII. Personal Protective Equipment
 - A. Respiratory Protection
 - B. Protective Ensembles
 - C. Employee Exposure Control Plan

- XIV. Crime Scene Operations
 - A. The Crime Scene
 - B. Physical Evidence
 - C. Crime Scene Analysis
 - D. Law Enforcement Responsibilities

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- A. Define terrorism.
- B. Explain the National Incident Management System.
- C. Define a national response plan to terrorist incidents.
- D. Recognize critical infrastructure protection and emergency response management.
- E. Construct a plan for terrorism response.
- F. Define the terrorism response procedures.
- G. Student should be able to explain operations security, site security, and terrorism incident response.
- H. Describe weapons of mass effect, chemical terrorism and warfare agents.
- I. Describe weapons of mass effect, and biological terrorism.
- J. Describe weapons of mass effect and radiation.
- K. Describe weapons of mass effect and explosives.
- L. Explain mass casualty decontamination.
- M. Demonstrate the proper use of personal protective gear.
- N. Explain crime scene operations.

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>.