

FIRE-1200: PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL

Cuyahoga Community College

Viewing: FIRE-1200 : Principles of Fire and Emergency Services Safety and Survival

Board of Trustees:

2012-03-22

Academic Term:

Spring 2020

Subject Code

FIRE - Fire Technology

Course Number:

1200

Title:

Principles of Fire and Emergency Services Safety and Survival

Catalog Description:

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.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: Admission to or completion of accredited Fire Academy.

Outcomes

Course Outcome(s):

Define and describe cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.

Objective(s):

1. Explain the need for enhancements of personal and organizational accountability for health and safety.
 2. Discuss the importance of fire sprinklers and code enforcement.
 3. Explain the importance of safety in the design of apparatus and equipment.
 4. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.
 5. Define how the concepts of risk management affect strategic and tactical decision-making.
 6. Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications.
 7. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.
 8. Explain the vital role of local departments in national research and data collection systems.
 9. Illustrate how technological advancements can produce higher levels of emergency services safety and survival.
 10. Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.
 11. Describe how obtaining grants can support safety and survival initiatives.
 12. Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as, identify access to local resources and services.
 13. 1. Describe the importance of public education as a critical component of life safety programs.
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Course Outcome(s):

Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.

Objective(s):

1. Describe and evaluate circumstances that might constitute an unsafe act.
 2. Explain the concept of empowering all emergency services personnel to stop unsafe acts.
 3. Explain the importance of investigating all near-misses, injuries and fatalities.
 4. Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes.
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Methods of Evaluation:

1. Objective examinations
2. Practical hands-on applications

Course Content Outline:

1. 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
2. The national context, health and safety
 - a. NFPA, OSHA
 - b. Medical and fitness standards
 - c. Data Collection (NFIRS)
 - d. Research/ Investigation NIST, NIOSH
3. Training, equipment, response
 - a. Training, certification, credentialing
 - b. Apparatus and equipment
 - c. Emergency response – response to emergency scenes
 - d. Violent incidents
 - e. Emerging technologies
4. 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
5. Risk Management
 - a. Risk management concepts and practices
 - b. Unsafe acts
 - c. Empowerment definition
6. Prevention
 - a. Home fire sprinklers
 - b. Code enforcement
 - c. Public education/ fire and life safety
 - d. Counseling and psychological support

Resources

IFSTA. *IFSTA Essentials of Fire Fighting*. 5th Edition. Huntington, CA: IFSTA, 2009.

LeBaudour, Chris. *Emergency Medical Responder: 1st on Scene and Resource Central EMS Student Access Code*. 9th ed. Upper Saddle River, NJ: Prentice Hall, 2011.

IFSTA. *Understanding Implementing the 16 Life Safety Initiatives*. Huntington, CA: IFSTA, 2010.

Ford, Travis. *Fire Emergency Services Safety Survival*. Upper Saddle River, NJ: Prentice Hall, 2011.

IFSTA. *Fire Department Safety Officer Study Guide*. Huntington, CA: IFSTA, 2009.

Instructional Services

OAN Number:

Transfer Assurance Guide OFS006 and Career Technical Assurance Guide CTFF002 (2 of 3 courses, all must be taken) and CTFF003 (2 of 5 courses, all must be taken)

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