

FIRE 007: PRINCIPLES OF FIRE & EMERGENCY SERVICES SAFETY & SURVIVAL

Changes saved but not submitted**Originator**

asventura

Justification / Rationale

CIM updates that didn't cross over from CNet.

Effective Term

Fall 2020

Credit Status

Credit - Degree Applicable

Subject

FIRE - Fire Technology

Course Number

007

Full Course Title

Principles of Fire & Emergency Services Safety & Survival

Short Title

PRINC FIRE/EMERG SER

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

100% Online

Hybrid

Catalog 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.

Schedule 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. Advisory: ENG 061

Lecture Units

3

Lecture Semester Hours

54

Lab Units

0

In-class Hours

54

Out-of-class Hours

108

Total Course Units

3

Total Semester Hours

162

Prerequisite Course(s)

Advisory: ENG 061

Required Text and Other Instructional Materials**Resource Type**

Book

Author

Zimmerman, Don

Title

Fire Fighter Safety and Survival

Edition

Second

City

Burlington, MA 01803

Publisher

Jones Bartlett Learning

Year

2015

College Level

Yes

ISBN #

9781284036411

Resource Type

Web/Other

Description16 Firefighter Life Safety Initiatives (www.everyonegoeshome.com)

Class Size Maximum

30

Entrance Skills

Write organized summaries and responses to readings.

Requisite Course Objectives

ENG 061-Use theses to organize paragraphs into coherent analyses.

ENG 061-Demonstrate the ability to think critically and express ideas using various patterns of development.

ENG 061-Demonstrate the ability to use research skills including library resources such as books, periodicals, electronic databases and online resources such as the internet.

ENG 061-Utilize a handbook to properly cite and document source material in MLA format.

Course Content

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 (National Fire Protection Association), OSHA (Occupational Safety & Health Administration)
 - b. Medical and Fitness Standards
 - c. Data Collection -NFIRS (National Fire Incident Reporting System)
 - d. Research/Investigation NIST (National Institute of Standards & Technology), NIOSH (National Institute for Occupational Safety & Health)
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

Course Objectives

	Objectives
Objective 1	Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.
Objective 2	Explain the need for enhancements of personal and organizational accountability for health and safety.
Objective 3	Define how the concepts of risk management affect strategic and tactical decision-making.
Objective 4	Describe and evaluate circumstances that might constitute an unsafe act.
Objective 5	Explain the concept of empowering all emergency services personnel to stop unsafe acts.
Objective 6	Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications.
Objective 7	Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.
Objective 8	Explain the vital role of local departments in national research and data collection systems.
Objective 9	Illustrate how technological advancements can produce higher levels of emergency services safety and survival.
Objective 10	Explain the importance of investigating all near-misses, injuries and fatalities.
Objective 11	Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.
Objective 12	Describe how obtaining grants can support safety and survival initiatives.
Objective 13	Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.

Objective 14	Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes.
Objective 15	Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as, identify access to local resources and services.
Objective 16	Describe the importance of public education as a critical component of life safety programs.
Objective 17	Discuss the importance of fire sprinklers and code enforcement.
Objective 18	Explain the importance of safety in the design of apparatus and equipment.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:

Outcome 1	Identify and explain the 16 life safety initiatives.
Outcome 2	Explain the concepts of risk management and mitigation as it pertains to emergency services.
Outcome 3	Illustrate how technological advancements can produce higher levels of emergency services safety and survival.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	Audio-Visual presentations
Technology-based instruction	Analyze case scenario incidents
Role Playing	Group activities of prioritizing the 16 Firefighter Life Safety Initiatives
Participation	Post to discussion board activities and peer assessments.
Lecture	Classroom lectures pertaining to each chapter of the assigned text.
Individualized Study	Read case study scenarios of the 16 Firefighter Life Safety Initiatives
Other (Specify)	Guest Speakers

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
College level or pre-collegiate essays	Complete 5-page research assignment based on the 16 Firefighter Life Safety Initiatives. This assignment will be evaluated on content, organization, grammar, and punctuation.	Out of Class Only
Student participation/contribution	Classroom and online participation provides student critical thinking observations.	In Class Only
Mid-term and final evaluations	Objective exams and quizzes - multiple choice understanding of chapters in the text book.	In and Out of Class
Tests/Quizzes/Examinations	Objective exams and quizzes - short answer provide a clear understanding of chapters in the textbook.	In and Out of Class
Self/peer assessment and portfolio evaluation	Peer assessments and required postings promote confirmation of subject/content understanding.	Out of Class Only
Group activity participation/observation	Student groups will allow interaction and discussions based on the specific topic being covered in the classroom.	In and Out of Class
Presentations/student demonstration observations	In-class and video-based student presentations based on the 16 Firefighter Life Safety Initiatives	In and Out of Class
Self-paced testing	Research and prepare supplemental material for presentations.	Out of Class Only
Term or research papers	Research paper will provide knowledge of subject material.	Out of Class Only
Written homework	Completed chapter pre-assessment assignments will provide students preparation for classroom and online discussions.	Out of Class Only

Assignments

Other In-class Assignments

1. Lecture
2. Group Activities - Role play scenarios
3. In-class/video Presentations
4. Watch videos and discuss the life safety concerns presented

Other Out-of-class Assignments

1. Reading Assignments
 - a. Textbooks
 - b. Study guides
2. Read one chapter per week include 25-30 pages weekly
 - a. Complete the review questions.
 - b. Submit completed assignment at the beginning of the first class meeting each week.
 - c. Review incident reports posted on the industry web sites, Firehouse.com, FireRescue1, Wildland firefighter to discuss the safety issues and corrective actions to prevent similar accidents from occurring.
3. Writing
 - a. Essays, Research papers, Analyses, Reports. Complete a 5-page research paper identifying incidents of firefighter injuries or death related to the lack proper safety practices.
 - b. Identify causes, lessons learned and corrective actions to improve firefighter safety. Student must include three resources.
4. Critical Thinking
 - a. Summarizes the problem/question/work assignment.
 - b. Review cases histories of incidents where firefighters were trapped, injured, or died as a result of improper safety practices. Identify new trends in safety equipment and training program to enhance firefighter safety.
 - c. Write paper comparing the incident mistakes and the safety issues. Identify proper safety consideration for each incident. Students will make a presentation in class to discuss there findings.

Grade Methods

Letter Grade Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

100

Instructional Materials and Resources

Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Timely feedback and return of student work as specified in the syllabus
Discussion forums with substantive instructor participation
Regular virtual office hours
Online quizzes and examinations
Weekly announcements

External to Course Management System:

Posted audio/video (including YouTube, 3cm mediasolutions, etc.)
Telephone contact/voicemail

For hybrid courses:

Scheduled Face-to-Face group or individual meetings

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Timely feedback and return of student work as specified in the syllabus
Discussion forums with substantive instructor participation

Regular virtual office hours
Online quizzes and examinations
Video or audio feedback
Weekly announcements

If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

None

Other Information

Comparable Transfer Course Information

University System

CSU

Campus

CSU Los Angeles

Course Title

Principles of Fire EMS Safety and Survival

Catalog Year

2016-17

MIS Course Data

CIP Code

43.0201 - Fire Prevention and Safety Technology/Technician.

TOP Code

213300 - Fire Technology

SAM Code

D - Possibly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Transferable to CSU only

General Education Status

Not applicable

Support Course Status

Course is not a support course

C-ID

FIRE 150 X

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

5/05/2020

Academic Senate Approval Date

5/14/2020

Board of Trustees Approval Date

6/18/2020

Chancellor's Office Approval Date

6/26/2020

Course Control Number

CCC000558896

Programs referencing this course

Fire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=146/>)