

FIRE 001: PRINCIPLES OF EMERGENCY SERVICES

Date Submitted: Thu, 27 Feb 2020 18:18:43 GMT

Originator

asventura

Justification / Rationale

TEXT Book update

Effective Term

Fall 2020

Credit Status

Credit - Degree Applicable

Subject

FIRE - Fire Technology

Course Number

001

Full Course Title

Principles of Emergency Services

Short Title

PRINC EMRGNCY SERVC

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

100% Online

Hybrid

Catalog 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. This Course meets the Fire and Emergency Services Higher Education (FESHE) model curriculum for an Associates Degree as recognized by the National Fire Academy.

Schedule 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. This course meets the Fire and Emergency Service Higher Education (FESHE) model curriculum for an Associates Degree as recognized by the National Fire Academy. 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

Klinoff, Robert

Title

Introduction to Fire Protection Emergency Services

Edition

6th

City

Burlington, MA

Publisher

Jones Bartlett Learning

Year

2020

College Level

Yes

Flesch-Kincaid Level

12

ISBN #

9781284180152

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-Recognize features of style such as purpose, audience and tone integrate these elements into academic and professional writing.

ENG 061-Demonstrate the ability to read and respond in writing beyond the literal interpretation of the text.

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

Course Content

- 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
- 1. Certificates
- 2. Degrees
- D. Selection Process
- II. History of the Fire Service
 - A. History of the Fire Service Culture
 - B. Evolution of the Fire Protection
 - C. 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
- IX. Management
 - A. Organizational Cultures
 - B. Emergency Operations
 - B. Organizational Structure of Fire and Emergency Services

Course Objectives

	Objectives
Objective 1	Describe the components and development of the fire and emergency services.
Objective 2	Recognize Illustrate the history of the fire service.
Objective 3	Recognize careers in fire and emergency services.
Objective 4	Analyze the basic components of fire as a chemical reaction, the major phases of fire, and the main factors that influence fire spread and fire behavior.
Objective 5	Describe the educational requirements, duties, and information sources for various occupations in fire protection.
Objective 6	Differentiate between fire service training and education and explain the value of higher education to the professionalization of the fire service.
Objective 7	Differentiate between the certificate, two-year, four-year degree programs, and state certification.
Objective 8	Identify the effects of fire on the environment and the historical efforts made to protect society.
Objective 9	List and describe the major organizations that provide emergency response service and illustrate how they interrelate
Objective 10	Identify fire protection and emergency-service careers in both the public and private sector.
Objective 11	Define the role of national, State and local support organizations in fire and emergency services.
Objective 12	Discuss and describe the scope, purpose, and organizational structure of fire and emergency services.
Objective 13	Describe the types of common fire department facilities, apparatus, equipment, and personal safety equipment used for fire fighting
Objective 14	Identify the various types of public and private fire protection equipment and systems.

Objective 15	Compare and contrast effective management concepts for various emergency situations.
Objective 16	Identify the primary responsibilities of fire prevention personnel including, code enforcement, public information, and public and private protection systems.
Objective 17	Identify the various codes, standards, ordinances, and regulations that affect fire protection.
Objective 18	Recognize the components of career preparation and goal setting.
Objective 19	Describe the basic elements of fire fighter safety and survival.
Objective 20	Describe the importance of wellness and fitness as it relates to emergency services.

Student Learning Outcomes

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

Outcome 1	Examine the history of fire protection and career opportunities in California Fire and Emergency Management Services.
Outcome 2	Describe the components and development of fire.
Outcome 3	Discuss the legal considerations at emergency scenes.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Demonstration, Repetition/Practice	Framework required for each type of report will be discussed and presented in class. Students will use that framework to practice writing various types of fire service reports listed in the course objectives. Students will write various types of fire service reports multiple times to demonstrate format and content correctness.
Technology-based instruction	Review simulation videos and respond to related activities.
Role Playing	Mock oral board interviews.
Participation	Group discussions and interaction. Field trips. Participate in classroom or through discussion postings.
Lecture	Classroom lecture focused on specific fire service reports supported by facilitated learning activities.
Individualized Study	Independent reading assignments.
Discussion	Students will participate in small facilitated group discussions where they will review classmates written report narratives. Peer reviews will be designed to promote positive feedback as outlined in the text book.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Critiques	Student peer assessments through online or classroom discussions.	In and Out of Class
Oral and practical examination	Mid-term oral presentation online video or in class presentation.	In and Out of Class
Written homework	Resume assignments and chapter review assignments. Read various types of fire service report narratives that will include EMS incidents, fire emergency incidents, fire investigation incidents, fire inspection incidents. Two hours per week out of class reading and review.	In and Out of Class
Student participation/contribution	Group discussions from lecture and from student oral presentations.	In Class Only
Mid-term and final evaluations	Mid term oral presentation. Apply 3-6 hours of study for mid-term and final exams for each exam. Multiple choice final exam.	In and Out of Class
Tests/Quizzes/Examinations	Compete 14 Chapter quizzes and final examination. Study preparation and review of chapter content will require 1-2 hours of preparation weekly.	In Class Only

Term or research papers	Prepare one complete fire service report narrative from multiple case study scenarios outlined in the text book or from scenario based videos. Research will require 6-8 hours of preparation.	In and Out of Class
Presentations/student demonstration observations	Student video presentations required for online modality. Research will require 6-8 hours of preparation.	In Class Only

Assignments

Other In-class Assignments

1. Participation
2. Observation
3. Group discussion/postings online
4. Practice skills
5. Reading of handouts and student manual

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.
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.
4. Critical Thinking
 - a. Summarizes the problem/question/work assignment.
5. Complete library assignments for research paper
6. Prepare oral or video based presentation of project
7. Prepare term project

Grade Methods

Letter Grade Only

Distance Education Checklist

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

Online %

50

On-campus %

50

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
 Private messages
 Online quizzes and examinations
 Weekly announcements

External to Course Management System:

Direct e-mail
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)
Teleconferencing
Telephone contact/voicemail

Other Information**Comparable Transfer Course Information****University System**

CSU

Campus

CSU Los Angeles

Course Number

FPAT 2900

Course Title

Principles of Emergency Services

Catalog Year

2013-14

Rationale

C-ID #: FIRE 100X

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 100 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

CCC000252398

Programs referencing this course

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

Public Safety Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=256/>)