

FIRE 001A: PRINCIPLES OF EMERGENCY SERVICES 1A

Date Submitted: Sat, 27 Jun 2020 01:29:50 GMT

Originator

asventura

Justification / Rationale

Textbook update

Effective Term

Fall 2020

Credit Status

Credit - Degree Applicable

Subject

FIRE - Fire Technology

Course Number

001A

Full Course Title

Principles of Emergency Services 1A

Short Title

PRINC EMRGNCY SERVC

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

100% Online

Hybrid

Catalog Description

FIRE 001A is part 1 of 2 courses that meet the requirements of FIRE 001 (Principles of Emergency Services). FIRE 001A 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; basic fire chemistry and physics; and fire service nomenclature. Completion of both FIRE 001A and FIRE 001B will meet the Fire and Emergency Service Higher Education (FESHE) model curriculum for Principles of Emergency Services.

Schedule Description

FIRE 001A is part 1 of 2 courses that meet the requirements of FIRE 001 (Principles of Emergency Services). FIRE 001A 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; basic fire chemistry and physics; and fire service nomenclature. Completion of both FIRE 001A and FIRE 001B will meet the Fire and Emergency Service Higher Education (FESHE) model curriculum for Principles of Emergency Services. Advisory: ENG 061

Lecture Units

1.5

Lecture Semester Hours

27

Lab Units

0

In-class Hours

27

Out-of-class Hours

54

Total Course Units

1.5

Total Semester Hours

81

Prerequisite Course(s)

Advisory: ENG 061

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

Book

Open Educational Resource

No

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-Construct and organize paragraphs in multi-paragraph essays.

ENG 061-Write essays that reflect critical thinking and clear expression, in a variety of rhetorical genres and for a variety of purposes.

ENG 061-Demonstrate a basic understanding of research-based writing, including the use of library resources to identify research sources.

ENG 061-Demonstrate both literal and analytic/interpretive reading skills, and convey these skills in writing.

ENG 061-Utilize a writing handbook (either print or online) to properly cite and document source material in MLA style.

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.

Course Objectives

	Objectives
Objective 1	Analyze and describe the differences between the certificate, two-year, four-year degree programs, and state certification.
Objective 2	Describe the educational requirements, duties, and information sources for various occupations in fire protection.
Objective 3	Identify 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 4	Identify the effects of fire on the environment and the historical efforts made to protect society.
Objective 5	Identify the major organizations that contribute to fire protection.
Objective 6	Define and describe the purpose and scope of fire departments.
Objective 7	Identify the types of common fire department apparatus, equipment, and personal safety equipment used for fire fighting.
Objective 8	Identify the various codes, standards, ordinances, and regulations that affect fire protection.
Objective 9	Identify the various types of public and private fire protection equipment and systems.
Objective 10	Define the common elements of a fire prevention bureau.
Objective 11	Identify the various applications of computers in the fire service.
Objective 12	Define fire fighting strategy and tactics.
Objective 13	Describe the basic elements of fire fighter safety and survival.

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.

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
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.	In and Out of Class
Oral and practical examination	Mid-term oral presentation. Face to face in class or video base in an online modality.	In and Out of Class
Student participation/contribution	Group discussions from lecture and from student oral presentations in face to face class or discussion assignments with peer review for online modality.	In and Out of Class
Mid-term and final evaluations	Mid term oral presentation. Multiple choice final exam. Face to face exams to be administered in class and proctored by instructor. Online modality will administer exams outside of class using proctoring software.	In and Out of Class
Tests/Quizzes/Examinations	Complete 7 Chapter quizzes through Canvas. Both web enhanced face to face and online modalities will require weekly quizzes to be taken remotely.	In Class Only
Mid-term and final evaluations	Prepare one complete fire service report narrative from multiple case study scenarios outlined in the text book or from scenario based videos.	Out of Class Only
Presentations/student demonstration observations	Student video presentations will be done in class or via ConferZoom for online modality.	In and Out of Class

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 2-3 hours per week
 - 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 (4-6 hours preparation for research)
 - 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. (2-4 hours preparation for writing the research paper)
 - b. Identify causes, lessons learned and corrective actions to improve firefighter safety.
4. Critical Thinking (1-2 hours per week)
 - a. Summarizes the problem/question/work assignment.
5. Read text and handouts Complete library Library assignments for research paper research
6. Prepare oral or video based presentation of project (1 hour)
7. Prepare term project (2-3 hours)

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

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

Course is delivered through the college's LMS.

If used, explain how specific materials and resources outside the LMS will be used to enhance student learning.

Course is delivered through the college's LMS.

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
Video or audio feedback
Weekly announcements

External to Course Management System:

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

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

Regular effective contact will be through emails, weekly conferences, weekly discussion and peer review assignments, virtual video conferencing, routine announcements throughout the week and virtual office conferencing.

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

This course will be delivered through the college's LMS.

Other Information

Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.

30

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

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

CCC000587602

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/>)