



COURSE OUTLINE : FIRE 106

D Credit – Degree Applicable

COURSE ID 010115

Cyclical Review: February 2020

Revision: October 2021

COURSE DISCIPLINE : FIRE

COURSE NUMBER : 106

COURSE TITLE (FULL) : Principles of Fire and Emergency Services Safety And Survival

COURSE TITLE (SHORT) : Fire and Emergency Services

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID : FIRE 150X – Principles of Fire and Emergency Services Safety and Survival

ACADEMIC SENATE DISCIPLINE: Fire Technology

CATALOG DESCRIPTION

FIRE 106 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. Topics include risk evaluation, control procedures and is based on national and state fire education curriculum.

Total Lecture Units:3.00

Total Laboratory Units: 0.00

Total Course Units: 3.00

Total Lecture Hours:54.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

Total Out-of-Class Hours: 108.00

Recommended Preparation: ENGL 100 or ESL 141.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ENGL	100	Writing Workshop	write a summary of a contemporary article or story with correct citation techniques;	Yes
2	ENGL	100	Writing Workshop	write an argumentative essay that integrates the ideas of others (i.e., authors) through paraphrasing, summarizing, and quoting with correct citation techniques;	Yes
3	ESL	141	Grammar And Writing IV	comprehend multi-paragraph reading passages in textbooks.	Yes

EXIT STANDARDS

- 1 define how the concepts of risk management affect strategic and tactical decision making;
- 2 identify the need for additional training standards as they correlate to professional development in the fires service.
- 3 identify how technological advancements can produce higher levels of emergency service safety and survival;
- 4 explain how incorporating the lessons learned from past investigations support cultural change in the fire service.
- 5 delineate between adopting standardized policies, and how to minimize near misses, injuries, and deaths in the fire service.

STUDENT LEARNING OUTCOMES

- 1 recognize how cultural and behavioral changes affect safety, leadership, supervision, accountability and personal responsibility related to emergency services
- 2 identify standardized emergency response policies for public safety personnel.
- 3 discuss how risk management affects strategic and tactical decision making.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Introduction <ul style="list-style-type: none"> • History of fire service culture • Organizational culture • Individual role in culture/behavior • History of line of duty deaths and injury statistics • Definition of the nature of the problem 	8	0	8



2	<p>The National Context: Health and Safety</p> <ul style="list-style-type: none"> • National Fire Protection Association • Occupational Safety and Health Administration • National Institute of Occupational Safety and Health • National Institute of Standards and Technology • Medical and fitness standards • Data collection: National Fire Incident Reporting System • Research and investigation 	8	0	8
3	<p>Training, Equipment and Response</p> <ul style="list-style-type: none"> • Training, certification and credentialing • Apparatus and equipment • Response to emergency scenes • Violent incidents • Emerging technologies • Developing standard operating procedures and safety policies • Incident Command System 	10	0	10
4	<p>Organizational Health and Safety Profile</p> <ul style="list-style-type: none"> • Personal and organizational accountability • Present condition and culture • Internal investigations • External investigations • Analyzing your profile • Utilizing grants to meet needs 	10	0	10
5	<p>Risk Management</p> <ul style="list-style-type: none"> • Risk management concepts and practices • Unsafe acts • Empowerment definition • Risk identification • Risk evaluation • Risk control 	8	0	8



6	Illness and Injury Prevention Programs	10	0	10
	<ul style="list-style-type: none"> • Safety program evaluations • Statistical data base analysis of internet resources on public safety employee health and safety programs • Education of fire and life safety programs • Counseling and psychological support associated with Critical Incident Stress Debriefing (CISD) programs 			
				54

OUT OF CLASS ASSIGNMENTS

- 1 Individual projects. (i.e. Completion of book tutorials.)
- 2 Case Study review

METHODS OF EVALUATION

- 1 Midterm examination.
- 2 Final examination

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations



COURSE OUTLINE : FIRE 106

D Credit – Degree Applicable

COURSE ID 010115

Cyclical Review: February 2020

Revision: October 2021

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Fire Fighter Safety and Survival, 3rd Edition	Required	Jones and Bartlett publisher	3	print	Jones and Bartlett	978-1284180176	2019