



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	FTEC
Course Number:	3
Descriptive Title:	Fundamentals of Personal Fire Safety and Survival
Division:	Industry and Technology
Department:	Fire and Emergency Technology
Course Disciplines:	Fire Technology
Catalog Description:	This course introduces the basic principles and history related to the national firefighter life safety initiatives. Emphasis will be placed on the need for cultural and behavior change throughout emergency services. Focus is placed on assessing fire dangers and handling common fire situations.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	Fire and Emergency Technology 1 and Eligibility for English 1A
Enrollment Limitation:	
Hours Lecture (per week):	3
Hours Laboratory (per week):	0
Outside Study Hours:	6
Total Course Hours:	54
Course Units:	3
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	fall 2012
Transfer UC:	No
Effective Date:	
General Education:	
ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	
Term:	
Other:	

CalGETC:	
Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1 Line of Duty Deaths</p> <p>Identify the major causes of Firefighter's Line of Duty Deaths and injuries in the United States.</p> <p>SLO #2 Fire Equipment Safety</p> <p>The student will be able to describe safety and the steps necessary to safely operate various fire related equipment.</p> <p>SLO #3 Fire Equipment Operation</p> <p>The student will be able to demonstrate the safe operation of various fire related equipment.</p>
Course Objectives:	<ol style="list-style-type: none"> 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. 2. Explain the need for enhancements of personal and organizational accountability for health and safety. 3. Define how the concepts of risk management affect strategic and tactical decision-making. 4. Describe and evaluate circumstances that might constitute an unsafe act. 5. Explain the concept of empowering all emergency services personnel to stop unsafe acts. Validate the need for national training standards as they correlate to professional development including the use of qualifications and certifications. 6. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers. 7. Explain the vital role of local fire departments in national research and data collection systems. 8. Explain the vital role of local fire departments in national research and data collection systems. 9. Illustrate how technological advancements can produce higher levels of emergency services safety and survival. 10. Explain the importance of investigating all events involving injuries and fatalities, including those events where the potential for injury and fatality was present. 11. Discuss how incorporating the lessons learned from incident investigations can support cultural change throughout emergency services. 12. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths. 13. Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes. 14. Recognize the need for counseling and psychological support for emergency services personnel and their families, as well as identify access to local resources and services. 15. Describe the importance of public education as a critical component of life safety programs. 16. Discuss the importance of fire sprinklers and code enforcement. 17. Explain the importance of safety in the design of apparatus and equipment.

<p>Major Topics:</p>	<p>I. OVERVIEW OF PERSONAL FIRE SAFETY (9 hours, lecture)</p> <ul style="list-style-type: none"> A. History of fire service culture B. Organizational culture C. Individual role in culture/behavior D. History of job related deaths/injuries E. Defining the nature of the problem <p>II. THE NATIONAL CONTEXT, HEALTH AND SAFETY (9 hours, lecture)</p> <ul style="list-style-type: none"> A. National Fire Protection Association, Occupational Health and Safety Administration B. Medical and fitness standards <ul style="list-style-type: none"> 1. Substance abuse 2. Suicide prevention 3. Physical screening C. Data collection National Fire Incident Reporting System D. Research/Investigation National Institute of Safety and Training, National Institute of Occupational Safety and Health <p>III. TRAINING, EQUIPMENT, RESPONSE (9 hours, lecture)</p> <ul style="list-style-type: none"> A. Training, certification, credentialing B. Apparatus and equipment C. Emergency response to emergency scenes D. Violent incidents E. Emerging technologies <p>IV. ORGANIZATIONAL HEALTH AND SAFETY PROFILE (9 hours, lecture)</p> <ul style="list-style-type: none"> A. Personal and organizational accountability B. Present condition and culture C. Investigations - internal D. Analyzing your profile E. Utilizing grants to meet needs
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	<p>V. RISK MANAGEMENT (9 hours, lecture)</p> <p>A. Risk management concepts and practices</p> <p>B. Incident scene rehabilitation</p> <p>C. Unsafe acts</p> <p>D. Empowerment definitions</p> <p>VI. PREVENTION (9 hours, lecture)</p> <p>A. Home fire sprinklers</p> <p>B. Code enforcement</p> <p>C. Public education/Fire and life safety</p> <p>D. Counseling and psychological support</p>
Total Lecture Hours:	54
Total Laboratory Hours:	0
Total Hours:	54
A.1. Primary Methods of Evaluation (Part 1 - CCN courses only):	
A.2. Primary Method of Evaluation (Part 2 - all courses; choose one):	
Typical Assignment Using Primary Method of Evaluation:	Write a two-page report that compares and contrasts Line of Duty Deaths and Injuries. Submit report to the instructor.
Critical Thinking Assignment 1:	Analyze the concepts of risk management and how it affects strategic decision-making. Prepare a two-page written report and submit report to the instructor.
Critical Thinking Assignment 2:	Analyze the concepts of empowering all emergency services personnel to stop unsafe acts. Prepare a two-page written report on submit report to the instructor.
Other Evaluation Methods:	Embedded Questions, Multiple Choice, Quizzes, Term or Other Papers, True/False
Instructional Methods:	Discussion, Group Activities, Lecture, Multimedia presentations
If other:	
Work Outside of Class:	Answer questions, Problem solving activity, Required reading, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Texts:	Zimmerman, Don. <i>Fire Fighter Safety and Survival includes Navigate Advantage Access, 3rd Edition</i> . 2019. 978-1284180176 (Discipline Standard)
Alternative Texts:	

Required Supplementary Readings:	
Other Required Materials:	
Requisite:	
Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s):Bold the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	Fire and Emergency Technology 1
Requisite and Matching skill(s):Bold the requisite skill. List the corresponding course objective under each skill(s).	<p>Knowledge of fire behavior.</p> <p>FTEC 1 - Compare and contrast 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.</p> <p>Fire organizational knowledge.</p> <p>FTEC 1 - Identify the major organizations that contribute to fire protection.</p> <p>FTEC 1 - Identify the various types of public and private fire protection equipment and systems.</p>
Requisite Skill:	Eligibility for English C1000
Requisite Skill and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable	<p>This course involves reading college-level textbooks and writing written reports. A student's success will be enhanced if they have these skills.</p> <p>Summarize and analyze college-level texts.</p> <p>Write a well-reasoned essay that demonstrates application of the academic writing process.</p>

Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Lee MacPherson
Date:	02/01/2011
Original Board Approval Date:	04/16/2012
Last Reviewed and/or Revised by:	Marvin Chang
Date:	02/27/2024
Last Board Approval Date:	05/20/2024