



El Camino College
 COURSE OUTLINE OF RECORD – Official

Subject:	FTEC
Course Number:	75
Descriptive Title:	Fire Inspections and Investigation for Company Officers (Company Officer 2C)
Division:	Industry and Technology
Department:	Fire and Emergency Technology
Course Disciplines:	Fire Technology
Catalog Description:	This course addresses conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause, and securing the incident scene and preserving evidence.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	Fire and Emergency Technology 1 and English 1 or eligibility for English 1A or qualification by appropriate assessment
Enrollment Limitation:	
Hours Lecture (per week):	2
Hours Laboratory (per week):	0
Outside Study Hours:	4
Total Hours:	36
Course Units:	2
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	Proposed
Transfer UC:	No
Effective Date:	
General Education:	
ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	

Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1</p> <p>Describe the information that must be included in a fire inspection report.</p> <p>SLO #2</p> <p>Identify ordinary fire hazards that may be encountered while performing a fire inspection.</p> <p>SLO #3</p> <p>Select the correct steps to follow when determining the cause and origin of a fire.</p>
Course Objectives:	<ol style="list-style-type: none"> 1. Describe the procedures for conducting fire inspections. 2. Examine common fire hazards that contribute, or present, the spread of fire, heat and smoke. 3. Assemble a list of steps that must be followed to determine preliminary causes and origin of a fire. 4. Consider the factors necessary to secure a fire scene. 5. List the required actions that must be taken to properly gather and preserve evidence.
Major Topics	<p>I. Fire and Life Safety Inspections (12 hours, lecture)</p> <p>A. Occupancies</p> <p>B. Inspection procedures</p> <p>C. Fire detection systems</p> <p>D. Fire protection systems</p> <p>E. Fire hazards</p> <p>F. Safety hazards</p> <p>G. Codes and standards</p> <p>II. Features that Present or Contribute to Fire Spread (12 hours, lecture)</p> <p>A. Fire walls</p> <p>B. Fire barriers</p> <p>C. Fire doors</p> <p>D. Vertical openings</p> <p>E. Interior finishes</p> <p>F. Roofing</p>

	III. Fire Investigation (12 hours, lecture) A. Types of evidence B. Evidence preservation C. Fire scene security D. Determining cause and origin E. Arson F. Common causes of fire G. Fire growth and development H. Documentation
Total Lecture Hours:	36
Total Laboratory Hours:	0
Total Hours:	36
Primary Method of Evaluation	
Typical Assignment Using Primary Method of Evaluation:	Given a simulated fire scene, prepare a one to two-page report outlining the procedures to following when determining the cause and origin of the fire. Submit report to the instructor.
Critical Thinking Assignment 1:	Prepare a one to two-page report highlighting the common fire hazards that may be found in a typical apartment complex. Submit report to the instructor.
Critical Thinking Assignment 2:	Given a list of the possible outcomes of a fire in a multi-story building with unrestricted vertical openings, prioritize the list as to which action(s) should be taken first, followed by succeeding actions in order of priority. Submit list to the instructor.
Other Evaluation Methods:	Essay Exams, Objective Exam, Oral Exams, Quizzes, Written Homework
Instructional Methods:	Discussion, Group Activities, Lecture, Other (specify)
If other:	
Work Outside of Class:	Answer questions, Required reading, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Textbooks:	International Fire Service Training Association (IFSTA). <u>Fire and Emergency Services Company Officer</u> , 6th Edit., International Fire Service Training Association, 2019.
Alternative Textbooks:	
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:	
Requisite and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	Fire and Emergency Technology 1 and English 1
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	<p>Student should have a general knowledge of fire inspections practices.</p> <p>FTEC 1 - Identify the various codes, standards, ordinances, and regulations that affect fire protection.</p> <p>Student should have the ability to write fire inspection reports.</p> <p>ENGL 1 - Write a well-reasoned, well-supported expository essay that demonstrates application of the academic writing process.</p> <p>Student should have the ability to read fire inspection reports.</p> <p>ENGL 1 - Summarize, analyze, evaluate, and synthesize college-level texts.</p>
Requisite:	Eligibility for English 1A or qualification by appropriate assessment
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable	<p>Student should have the ability to write fire inspection reports.</p> <p>ENGL 1 - Write a well-reasoned, well-supported expository essay that demonstrates application of the academic writing process.</p> <p>Student should have the ability to read fire inspection reports.</p> <p>ENGL 1 - Summarize, analyze, evaluate, and synthesize college-level texts.</p>
Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Craig Neumann

Date:	05/11/2016
Original Board Approval Date:	
Last Reviewed and/or Revised by:	Kevin Huben
Date:	05/09/2021