Course Acronym:	FTEC
Course Number:	110A
Descriptive Title:	Fire Inspector 1A - Duties and Administration
Division:	Health Sciences and Athletics
Department:	Fire and Emergency Technology
Course Disciplines:	Fire Technology
Catalog Description:	This course provides students with a basic knowledge of the roles and responsibilities of a Fire Inspector 1 including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, and ethical conduct, and administrative tasks including preparing inspection reports, recognizing the need for a permit or plan review, investigating common complaints, and participating in legal proceedings. The student who completes this course will be awarded a Certificate from the Office of the California State Fire Marshal.
Prerequisite:	None
Co-requisite:	
Recommended Preparation:	Fire and Emergency Technology 1
Enrollment Limitation:	
Hours Lecture (per week):	1.5
Hours Laboratory (per week):	0
Outside Study Hours:	3
Total Course Hours:	27
Course Units:	1.5
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	11/21/2023
Transfer UC:	No
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	

IGETC:	
Term:	
Other:	
Student Learning Outcomes:	**SLO #1** Calculate the required fire flow for a 10,000 square foot storage building. **SLO #2** Compare and contrast the advantages and disadvantages of a wet-pipe sprinkler system versus a dry-pipe sprinkler system. **SLO #3** Describe the typical fire hazards found in a "R" occupancy.
Course Objectives:	1. Compare and contrast the physical properties of flammable and/or combustible materials. 2. Evaluate inspection plans for various types of occupancies. 3. Compare and contrast the principles of operation of fixed fire protection systems. 4. Determine the placement, operation, and inspection requirements of portable fire extinguishers. 5. Evaluate and design solutions to fire hazards in various types of occupancies. 6. Interpret codes and ordinances related to fire prevention.
Major Topics:	**I. Legal Responsibilities (3 hours, lecture)** A. Regulatory requirements B. Related agencies **II. Codes and Standards (3 hours, lecture)** A. California Building Code B. California Residential Code C. California Fire Code D. California Government Code E. California Health and Safety Code **III. The Inspection Process (6 hours, lecture)** A. Need for inspections B. Preparation for inspection C. Physical inspection process

	D. Methods for obtaining code compliance **IV. Confidentiality and Privacy Requirement (3 hours, lecture)** A. Confidential record keeping requirements B. Maintaining "trade secrets" C. Confidentiality requirements versus court orders **V. Ethical Conduct (3 hours, lecture)** A. Defining ethics and core values B. Gift and gratuity issues **VI. The Permit Process (2 hours, lecture)** A. Identifying the jurisdictional permit policies B. Types of permits **VII. Plan Review (3 hours, lecture)** A. Ensuring compliance with applicable codes, standards, and priorities B. Approving a construction project or process C. Activities that require a plan review **VIII. Investigating Common Complaints (2 hours, lecture)** A. Overview of the complaint process B. Methods to communicate complaint resolutions C. Political influence on the complaint process **IX. Participating in Legal Proceedings (2 hours, lecture)** A. Common terminology used in legal proceedings B. Types of legal proceedings C. Maintaining professional courtroom demeanor
Total Lecture Hours:	27
Total Laboratory Hours:	0
Total Hours:	27

Primary Method of Evaluation:	2) Problem solving demonstrations (computational or non-computational)
Typical Assignment Using Primary Method of Evaluation:	The AAA Tool and Die Company occupies a single-story concrete structure in a commercial zone designated as M3. The building comprises 4,000 square feet with workstations for 10 people and office space for three people. Research the codes and ordinances pertaining to the occupancy, develop an inspection plan and high-light the fields requiring information on an inspection report. Prepare a one- to two-page report outlining your findings and submit to the instructor.
Critical Thinking Assignment 1:	Formulate a one-page written plan for the correct placement, occupant training in the correct operation and a required maintenance schedule for portable fire extinguishers in a high hazard occupancy. Submit plan to the instructor.
Critical Thinking Assignment 2:	An important role of the fire prevention officer is informing the public about fire safety. Prepare submit a one- to two-page outline for a 30-minute talk on fire hazards in the home intended for the general public. Submit outline to the instructor.
Other Evaluation Methods:	Completion, Essay Exams, Multiple Choice, Other Exams, Quizzes
Instructional Methods:	Discussion, Lecture, Multimedia presentations, Other (specify), Role play/simulation
If other:	Video
Work Outside of Class:	Problem solving activity, Required reading, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Texts:	California Fire Code (International Code Council, current edition Fire Inspection and Code Enforcement (IFSTA, 8th edition, 2016) ISBN: 9780879396053 (Discipline Standard) or Fire Inspector: Principles and Practice (International Association of Fire Chiefs), Revised Enhanced 1st edition, 2012 ISBN: 9780763798574. (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).	**The student should possess and understanding of the chemical and physical properties of combustion.** 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.
Requisite Skill:	
Requisite Skill and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable	
Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Junius Murray
Date:	09/01/1993
Original Board Approval Date:	02/22/1996
Last Reviewed and/or Revised by:	Tracy Rickman
Date:	10/12/2023
Last Board Approval Date:	01/17/2024
Effective Term:	FALL 2024