

FIRE 0078 - FIRE TACTICS AND STRATEGY

Catalog Description

Prerequisite: Completion of FIRE 1 with grade of "C" or better or equivalent as determined by the Fire Technology Program Coordinator
Hours: 54 lecture

Description: Provides the principles of fire control through utilization of manpower, equipment, extinguishing agents, fire command and control procedures. (C-ID FIRE 160X) (CSU)

Course Student Learning Outcomes

- CSLO #1: Outline strategic goals and tactical objectives for responding to residential fires and multiple-family dwelling fires.
- CSLO #2: Outline strategic goals and tactical objectives for responding to commercial and high-rise fires.
- CSLO #3: Prepare strategic goals and tactical objectives for wildland and wildland-urban interface fires.
- CSLO #4: Explain the purpose of termination plans, formal post-incident analysis, and the critical incident stress management system.

Effective Term

Fall 2019

Course Type

Credit - Degree-applicable

Contact Hours

54

Outside of Class Hours

108

Total Student Learning Hours

162

Course Objectives

1. Create a strategy and implement appropriate tactics to mitigate emergency incidents.
2. Illustrate a working knowledge and execution of ICS/NIMS at the incident.
3. Analyze the principles of fire tactics in fire ground operations.
4. Assess the components of a pre-fire plan.
5. Develop pre-fire plans for various types of occupancies.
6. Analyze a fire and develop a plan of action.
7. Determine the life safety possibilities and probabilities in a fire situation.
8. Demonstrate exposure protection principles to prevent fire spread.
9. Discuss confined space operations.
10. Analyze various ventilation operations.
11. Examine various salvage operations to prevent unnecessary damage.
12. Assess overhaul operations.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- CSU Transferable

Methods of Evaluation

- Objective Examinations
 - Example: Students will be given a multiple-choice test pertaining to construction types. Standard grading will be used to evaluate student success. Example question: Of the following, which best describes wood frame construction? A. Type I, B. Type II, C. Type III, D. Type V.
- Problem Solving Examinations
 - Example: While working in groups, students will be given a case scenario and develop an action plan to mitigate the emergency. Students will be graded on a standard instructor designed rubric.
- Projects
 - Example: Students will draft a pre-incident plan. Student will be graded using an instructor created rubric that is shared with students.
- Reports
 - Example: Students will research a Firefighter line-of-duty death and prepare a report outlining the circumstances and contributing factors that lead to the death. Reports will be graded using an instructor designed rubric.

Repeatable

No

Methods of Instruction

- Lecture/Discussion
- Distance Learning

Lecture:

1. The instructor will lead an in-class discussion on company operations at a single-family dwelling fire. After presenting a case study, students will work in groups and outline tactics and strategies necessary to successfully mitigate the incident. (Objective 13)
2. After the instructor lectures on the need for a post-incident analysis, students will work in groups and prepare a post-incident analysis based on a fire scenario.

Distance Learning

1. Following an on-line instructor lecture on strategic goals and tactical objectives regarding commercial structure fires, students will outline, post and discuss general strategic goals and tactical objectives for fighting fires in commercial structures, as well as firefighting considerations applicable to these structures.

Typical Out of Class Assignments

Reading Assignments

1. Read chapter in the textbook on Coordination and Control and be prepared to discuss the difference between strategic goals, tactical objectives and tactical methods. 2. Read chapter on pre-incident planning and prepare pre-incident plan to be shared with class.

Writing, Problem Solving or Performance

1. Following the instructor's presentation on Fire Fighter Safety, students will prepare a safety plan. 2. Research an actual incident and prepare a organizational chart to include Command and General Staff positions.

Other (Term projects, research papers, portfolios, etc.)

Required Materials

- Firefighting Strategy and Tactics
 - Author: James Angle, Michael Gala, David Harlow, William Lombardo, Craig Maciuba
 - Publisher: Jones and Bartlett Learning
 - Publication Date: 2015
 - Text Edition: 3rd
 - Classic Textbook?:
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.