

Course Outline

COURSE: JFT 100 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Spring 2022 **CURRICULUM APPROVAL DATE:** 6/8/2021

SHORT TITLE: PRINCIPLES OF EMERGENCY SERV

LONG TITLE: Principles of Emergency Service

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
3	18	Lecture:	3	54
		Lab:	0	0
		Other:	0	0
		Total:	3	54

COURSE DESCRIPTION:

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire department as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion
- 05 - Hybrid
- 71 - Dist. Ed Internet Simultaneous
- 72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Identify the primary responsibilities of fire prevention personnel including code enforcement, public information, and public and private protection systems.
2. Analyze the basic components of fire as a chemical chain reaction, the major phases of fire, and examine the main factors that influence fire spread and fire behavior.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

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- I. Careers in the Fire Protection/Emergency Services - 4 hours
 - A. Opportunities/Private, Industrial, Local, Municipal, State and Federal
 - B. Pay, Hours of Duty, Benefits, Promotion and Retirement Qualifications
 - C. Work Ethics and Human Relations Education and Training
 1. Certificates
 2. Degrees
 - D. Selection Process
- II. History - 4 hour
 - A. The Evolution of the Fire Protection
 - B. The U.S. Fire Problem: Life and Property
- III. Fire Prevention and Public Fire Education - 8 hours
 - A. Fire Investigation
 - B. Code Enforcement
 - C. Public Education
- IV. Scientific Terminology 8 hours
 - A. Fire Behavior
 - B. Flammability and Characteristic of Solids, Liquids and Gases
- V. Building Design and Construction - 8 hours
 - A. Types of building design
 - B. Types of building construction
- VI. Fire Detection and Suppression Systems - 10 hours
 - A. Fire Detection Systems
 - B. Fire Suppression Systems
- VII. The Role of Public and Private Support Organizations -4 hours
 - A. Local B State
 - B. Federal and National
 - C. International
- VIII. Fire and Emergency Services Equipment and Facilities -8 hours
- IX. Management -4 hours
 - A. Emergency Operations
 - B. Organizational Structure of Fire and Emergency Services

METHODS OF INSTRUCTION:

Lecture and written reports, utilizing web conferencing tools and the College provided LMS.?

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 108

Assignment Description: Read class text

Required Outside Hours:

Assignment Description: Written assignments regarding fire and emergency services equipment and facilities.

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 30.00 %

Written Homework Assignments

Objective examinations

Percent of total grade: 70.00 %

Quizzes, Exam

REPRESENTATIVE TEXTBOOKS:

Robert Klinoff. Introduction to Fire Protection and Emergency Services, Fifth Edition. Jones and Bartlett, 2018.

ISBN: 9781284136128

Reading Level of Text, Grade: 12 Verified by: Doug Achterman

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 201770

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000578291

Sports/Physical Education Course: N

Taxonomy of Program: 213300