

Course Outline

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

TERM EFFECTIVE: Fall 2017 **Curriculum Approval Date:** 11/28/2016

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

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.

Measure of assessment: Written Exam

Year assessed, or planned year of assessment: 2017

Semester: Fall

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.

Measure of assessment: Written Exam

Year assessed, or planned year of assessment: 2017

Semester: Fall

3. List and describe the major organizations that provide emergency response service and illustrate how they interrelate.

Measure of assessment: Written Exam, Class Discussion

Year assessed, or planned year of assessment: 2017

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

Curriculum Approval Date: 11/28/2016

I. Careers in the Fire Protection/Emergency Services

- 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

A. The Evolution of the Fire Protection

B. The U.S. Fire Problem: Life and Property

III. Fire Prevention and Public Fire Education

A. Fire Investigation

B. Code Enforcement

C. Public Education

IV. Scientific Terminology

A. Fire Behavior

B. Flammability and Characteristic of Solids, Liquids and Gases

V. Building Design and Construction

A. Types of building design

B. Types of building construction

VI. Fire Detection and Suppression Systems

A. Fire Detection Systems

B. Fire Suppression Systems

VII. The Role of Public and Private Support Organizations

A. Local B State

B. Federal and National

C. International

VIII. Fire and Emergency Services Equipment and Facilities

IX. Management

A. Emergency Operations

B. Organizational Structure of Fire and Emergency Services

METHODS OF INSTRUCTION:

Lecture Discussion Audio/Visual Aid

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 30.00 %

Written Homework Assignments

Objective examinations

Percent of total grade: 70.00 %

Quizzes, Exam

OUT OF CLASS ASSIGNMENTS:

Assignment Description: Read class text

Required Outside Hours:

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

REPRESENTATIVE TEXTBOOKS:

Required Representative Textbooks

Robert Klinoff. Introduction to Fire Protection and Emergency Services, Fifth Edition. Jones and Bartlett, 2015.

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: JFT

CSU Crosswalk Course Number: 100

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:

Sports/Physical Education Course: N

Taxonomy of Program: 213300