

FIRE 61 Course Outline as of Fall 1997**CATALOG INFORMATION**

Dept and Nbr: FIRE 61 Title: FIRE INVESTIGATION
 Full Title: Fire Investigation
 Last Reviewed: 9/25/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

Determining cause of fires (accidental, suspicious, and incendiary); types of fires; related laws; introduction to arson and incendiarism; recognizing and preserving evidence; interviewing witnesses and suspects; arrest and detention procedures; court procedures and giving court testimony.

Prerequisites/Corequisites:**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: This State Fire and POST certified course will review the effects of fire behavior and building construction and cause and origin determination: investigating incendiary and accident fires; collecting, preserving, and documenting evidence. (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 1981	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

1. Identify factors in determining fire cause.
2. Define and describe the evidence of fire cause.
3. List the proper techniques related to court procedures and give court testimony.
4. Describe techniques for interviewing witnesses and suspects.
5. List laws relating to fire investigation.
6. Identify proper arrest & detention procedures.

Topics and Scope:

1. Orientation and introduction
 - a. Responsibilities
 - b. Conduct
 - c. Notetaking
 - d. Recording
2. Laws relating to fire investigation
 - a. Legal parameters of arson law
 - b. Proper arrest
3. Cause and Origin
 - a. Fire scene indicators
 - b. Explosives and incendiary devices
4. Determining point of origin
 - a. Char
 - b. Heat
 - c. Smoke patterns
5. Identification and collection
 - a. Preservation of evidence
 - b. Ignition sources

6. Firesetters
 - a. Motives
 - b. Methods

Assignment:

The student will:

1. Describe, in writing, the proper techniques relating to court procedures and giving court testimony.
2. Describe, in writing, the laws that pertain to fire investigation.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework	Writing 30 - 40%
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Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams	Problem solving 20 - 40%
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Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances	Skill Demonstrations 20 - 40%
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Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, Completion	Exams 20 - 40%
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Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%
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Representative Textbooks and Materials:

FIRE & EXPLOSION INVESTIGATION GUIDE 1996, NFPA Standard 921
KIRKS FIRE INVESTIGATION, 3rd Edition; by John D. DeHaan,
Publ. Prentice Hall