

CATALOG INFORMATION

Dept & Nbr: ADJ 107 Title: CRIME SCENE/LAB TECHNIQ
Full Title: Crime Scene and Laboratory Techniques

Units	Course Hours	Per Week	Nbr of Weeks	Course Hours	Total
Max: 3.0	Lecture	3.0	17	Lecture	51.0
Min: 3.0	Lab	0.0		Lab	0.0
	Contact DHR	0.0		Contact DHR	0.0
	Contact Total	3.0		Contact Total	51.0
	Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic
Grading: GC Credit course for grade or CR/NC
Repeatability: 00 No repeatability allowed or defined
Also listed as:

CATALOG DESCRIPTION:

The field of criminalistics; the role of the crime laboratory in the administration of justice system; degrees and limits of scientific conclusions; introduction to technical equipment used in criminalistics; examination of characteristics, properties and means of analyzing various categories of physical evidence; familiarization with and use of common types of cameras; darkroom techniques, and study of the science of fingerprints.

PREREQUISITES:

COREQUISITES:

RECOMMENDED PREPARATION:

No advisories.

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:

How does a fingerprint or a blood stain make its way from a crime scene to a courtroom: Find out in this class, and gain hands-on experience in the gathering and processing of physical evidence. (Grade or CR/NC)
Transfer Credit: CSU.

ARTICULATION and CERTIFICATE INFORMATION

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ASSOCIATE DEGREE:	Effective:	Inactive:
Area:		
CSU GE:	Effective:	Inactive:
Transfer area:		
IGETC:	Effective:	Inactive:
Transfer area:		

CSU TRANSFER: TRANSFERABLE Effective: FALL 1981 Inactive:

UC TRANSFER: Effective: Inactive:

CAN:

CERTIFICATE APPLICABLE: C CERTIFICATE APPLICABLE COURSE

APPROVAL AND DATES

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Version 01 Submitted by: GARY HUDSON Date: 05/27/1981
 Department approved: Date:
 Curriculum approved: 05/27/1981 Version approved: 05/27/1981
 Prerequisites approved: Last reviewed: 02/02/1992
Term effective: FALL 1981 Last taught: FALL 2008 Inactive:

COURSE CONTENT

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OUTCOME AND OBJECTIVES:

1. Demonstrate knowledge of the photographic process through practical application exercises.
2. Demonstrate skill in the proper collection and preservation of various types of physical evidence.
3. Demonstrate the ability to operate various types of cameras and other scientific equipment used in evidence analysis.

TOPICS AND SCOPE:

1. Role of Evidence Technology
 - a. Preliminary investigation
 - b. Follow-up investigation
 - c. Courtroom presentation
2. Crime Scene Recording
 - a. Systematic search procedures
 - b. Measurements
 - c. Field notetaking
 - d. Sketching and diagrams
3. Techniques for Collecting and Preserving Evidence
 - a. Crime scenes
 - b. Victims and suspects
 - 1) Clothing
 - 2) Blood
 - 3) Hair
 - 4) Semen
 - 5) Saliva
 - 6) Poisons
 - 7) Powder burns
 - 8) Wounds
 - c. Packaging physical evidence
 - d. Transporting evidence
 - e. Managing the evidence room
4. Fingerprints
 - a. Taking fingerprint impressions
 - b. Preserving fingerprint evidence
 - 1) Photographic preservation
 - 2) Chemical preservation
 - 3) Mechanical preservation
 - c. Special fingerprinting problems
 - 1) Deceased persons
 - 2) Palm printing

- 3) Foot printing
- d. Analyzing fingerprints
 - 1) Basic patterns
 - 2) Battley single print impression system
 - 3) Galton details
 - 4) Filing systems
- 5. Crime Laboratory Instrumentation
 - a. Microscopes
 - b. Gas chromatographs
- 6. Categories of Physical Evidence
 - a. Firearms and ammunition
 - b. Tool marks
 - c. Glass
 - d. Soils
 - e. Hair and fibers
 - f. Body fluids
 - g. Questioned documents
 - h. Number restoration
- 7. Introduction to Photography
 - a. Cameras and equipment
 - 1) Types of cameras
 - 2) Lenses
 - 3) Light and lighting equipment
 - 4) Films
 - 5) Laboratory photography
 - b. Application to investigation and law enforcement
 - 1) Accident photography
 - 2) Crime scene photography
 - 3) Evidenciary and identification photography
 - c. Courtroom presentation
 - 1) Legality of photography in court
 - 2) Preparation of photographs for court
 - 3) Presentation of court exhibits

ASSIGNMENTS:

READING ASSIGNMENTS:

Students will be required to read and study the assigned chapters in the textbook and any handout material. Assigned reading will form the basis for classroom discussion.

WRITING ASSIGNMENTS:

Substantial writing assignments are inappropriate because the course primarily involves the application of skills.

OUTSIDE ASSIGNMENTS:

Students are expected to spend time out of class working on the following:

1. Study
2. Required reading
3. Practical assignments

ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

Students will demonstrate the ability to think critically and apply concepts taught in the course by participating in the following activities:

1. Analyze situations to determine what types of evidence might be present.
2. Select and apply the proper techniques for collecting and preserving various types of evidence.
3. Role play.
4. Quizzes and exams.

METHOD OF INSTRUCTION:

Lecture, discussion, audio-visual presentations, handouts, practical exercises, reading assignments.

METHODS OF EVALUATION:

1. Problem Solving Demonstrations - Approximately 100%
Students will receive a mid-term and a final exam, each worth approximately 15%. They will also participate in five lab assignments worth 6% each and four quizzes worth 10% each.

BASIS FOR GRADING:

The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

REPRESENTATIVE TEXTBOOKS:

Techniques of Crime Scene Investigation, Barry A.J. Fisher, Arne Swensson, Otto Wendel, Elsevier Press, 1990