GAVILAN COLLEGE

5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

COURSE: JLE 164   DIVISION: 50   ALSO LISTED AS:

TERM EFFECTIVE: Fall 2020   CURRICULUM APPROVAL DATE: 04/14/2020

SHORT TITLE: CRIME SCENE INVESTIGATION

LONG TITLE: Crime Scene Investigation

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
1	18	Lecture:	.45	8.1
		Lab:	1.78	32.04
		Other:	0	0
		Total:	2.23	40.14
		Total Learning Hrs:	56.34	

COURSE DESCRIPTION:

This course is designed for students who desire an introduction to the basic tasks and responsibilities of an Evidence Technician. Students will be provided with the basic knowledge and skills needed to identify, process, collect and preserve various types of physical evidence. This is a pass/no pass course.
PREREQUISITE: POST Basic Certificate or Equivalent.

PREREQUISITES:
        Completion of JLE 100, as UG, with a grade of C or better.

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES
        P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:
        02 - Lecture and/or discussion
        03 - Lecture/Laboratory
        04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Demonstrate crime scene management, elements for preparing to conduct a crime scene, responsibility, and safety issues and concern during mock crime scene investigations.

2. Demonstrate collection and preservation of impression, biological, firearms evidence, and latent print techniques and procedures during mock crime scene scenarios.

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

Curriculum Approval Date: 04/14/2020

8 Hours

I.   INTRODUCTORY REMARKS, INSTRUCTOR INTRODUCTIONS, AND COURSE OVERVIEW

II.   ADMINISTRATION OF PRE-TEST

III.   CRIME SCENE MANAGEMENT

A.   Pre-Event Planning & Preparation Considerations

1.   Personnel Responsibilities and Assignments

2.   Concept of "Fixed Responsibility"

3.   Equipment & Logistics

4.   Mental / Emotional preparation

5.   Safety Issues and Concerns

B.   Operational Aspects of Crime Scene Management

1.   Communication & Liaison

2.   The 12 Step Approach to Working a Crime Scene

3.   Importance of Scene Analysis

4.   Scene Documentation through Standardized Forms

5.   Movable v. Irremovable Evidence Considerations

6.   Class Evidence v. Individual Evidence

7.   Post-Event Evaluation/Critique

8.   Discussion of Various Packaging Materials & Selection Preferences

9.   Chain-of-Custody Considerations

Lab Content:

IV.   CRIME SCENE DOCUMENTATION & ADMINISTRATION OF LABORATORY EVIDENCE SUBMISSIONS (3 hours)

A. Preparing Crime Scene Documentation

1.   Administrative Worksheet

2.   Narrative Description

3.   Photography Log

4.   Diagram/Sketch

5.   General Evidence Recovery Log

6.   Latent Print Recovery Log

V.   CRIME SCENE PHOTOGRAPHY (4 hours)

A. Camera - Selection and Use

B. General Basic Principles of Photography

C. Videotaping of Crime Scenes

D. General Crime Scene Photography

E. Photography of Vehicles

F. General Autopsy Photographic Considerations

VI.   ASPECTS OF SCENE DIAGRAMMING / SKETCHING (2 hours)

A. Techniques for Sketching

B. Essential Equipment

C. Integration of Diagrams and Other Scene Documentation

D. Diagrams with Essential Elements

E. Measurement Techniques

VII.   FINGERPRINT IDENTIFICATION (1 hour)

A. Background and Importance

B. Introduction to Pattern Recognition

C. Introduction to Fingerprint Comparisons

VIII. LATENT FINGERPRINT DEVELOPMENT TECHNIQUES (2 hours)

A. Illustration of Importance and Uses

B. Equipment

C. Latent Impression Development Depends on Surface Type

D. Cyanoacrylate Ester (CAE) (Super Glue) Techniques

E. Importance & Techniques of Latent Print Photography

F. Latent Print Lifting Techniques & Procedures

G. Using Forensic Light Sources

H. Latent Print Documentation

IX.   TECHNIQUES FOR COLLECTION/PRESERVATION OF DNA, BLOOD & BIOLOGICAL FLUID EVIDENCE (2 hours)

A. Capabilities & Limitations of Laboratory Analyses

B. Safety Issues & Infectious Diseases Considerations

C. Collection/Preservation of Biological Evidence

D. Visualization Techniques for Detecting Invisible Blood Stains

X.   TECHNIQUES FOR COLLECTION/PRESERVATION OF HAIR & FIBER EVIDENCE (1 hour)

A. Capabilities/Limitations of Laboratory Analyses

B. Collection/Preservation of Questioned Samples

C. Practical Techniques for Collection of Known Samples

D. Hair & Fiber Evidence Packaging Procedures

VI TECHNIQUES FOR COLLECTION/PRESERVATION OF TRACE & MINERALOGIC EVIDENCE (1 hour)

A. Collection/Preservation of Questioned Samples

B. Practical Techniques for Collection of Known Samples

C. Hair & Fiber Evidence Packaging Procedures

D. Collection and Preservation of Questioned Evidence

XI. PRACTICAL TECHNIQUES FOR COLLECTION/PRESERVATION OF FIREARMS EVIDENCE (2 hours)

A. Collection & Preservation of Evidence

1. Bullets

2. Cartridge cases

3. Weapons

4. Gunshot Residue Evidence

5. Discussion of Scene Reconstruction Techniques

6. Bullet Trajectory Analysis

XII. TECHNIQUES TO LOCATE AND COLLECT SHOE, TIRE AND OTHER IMPRESSION EVIDENCE: (2 hour)

A. Shoe Print Impressions

B. Tool Mark Impressions

C. Tire Impressions

XIII. HANDLING OF COMPUTER MEDIUM - DIGITAL EVIDENCE ? AN OVERVIEW (1 hours)

A. Recognize, identify, seize, and secure all digital evidence at the scene

XIV. PRACTICAL TECHNIQUES FOR COLLECTION & PRESERVATION OF DOCUMENT EVIDENCE (1 hour)

A. Evaluation/Collection of Questioned Documents

B. Acquisition of Comparison Samples

XV. PRESENTING EVIDENCE IN A COURT OF LAW (1 hours)

A. Elements of an effective CSI witness

B. Verbal and non-verbal communication

C. Tactics of a defense attorney

XVI. MOCK CRIME SCENE FIELD EXERCISE - MAJOR CASE PRACTICUM (8 hours)

Students are divided up into teams and respond to mock crime scenes.

Crime Scene Team Leaders organize their teams and make task assignments.

Team members carryout their assigned duties.

METHODS OF INSTRUCTION:

Lecture, discussion, demonstration, and hands-on practical applications/exercises. PowerPoint presentations, video instruction, reference material with essential crime scene equipment and expendable supplies. Additional teaching aids will include junked vehicles, breakout rooms for practical exercises and mock crime

scenes setups, and mock evidence used for courtroom exercises.

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 16

Assignment Description: Read instructor handouts on fingerprint techniques, , shoe tire and other impression evidence, and crime scene photography .

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 25.00 %

Students will write an evidence report in a mock crime scene practical exercise.

Problem-solving assignments

Percent of total grade: 25.00 %

Students will participate in mock crime scene investigation, collect and document evidence, take photographs, and conduct a full crime scene investigation. Skills will be evaluated by the instructor using POST standards.

Skill demonstrations

Percent of total grade: 50.00 %

Students will demonstrate the techniques for collecting and preservation of DNA, blood and biological fluid evidence during a mock crime scene. Skills will be evaluated by the instructor maintaining POST standard.

REPRESENTATIVE TEXTBOOKS:

Recommended Representative Textbooks

Current instructor of record . Instructor Handouts . California : Agency ,2020.

Instructor Handouts

Reading Level of Text, Grade: 12

ARTICULATION and CERTIFICATE INFORMATION

        Associate Degree:

        CSU GE:

        IGETC:

        CSU TRANSFER:

               Transferable CSU, effective 201070

        UC TRANSFER:

               Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

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: 1

Minimum Hours: 1

Course Control Number: CCC000523130

Sports/Physical Education Course: N

Taxonomy of Program: 210500