

INSTRUCTOR

Carlos Gutierrez, M.S., M.Ed.

Lecturer of Forensic Sciences

Office: Henry Hall 3

Mailbox: 115 Wesselkamper Science Center

Telephone: (808) 739-7451

E-mail: carlos.gutierrez@chaminade.edu

Office Hours: Mon, Wed 9:30-10:20 AM; Fri 11:30AM-1:00PM

**COURSE DESCRIPTION****FS 333L Physical Forensic Sciences Laboratory (1)**

Laboratory exercises to analyze various forms of physical evidence. Explores the underlying theory, protocols, and relevance for the examination and interpretation of physical evidence. *Prerequisites: FS 230 or CJ 220.*

STUDENT LEARNING OBJECTIVES

Upon completion of this course, students will:

1. Demonstrate practical techniques from various forensic disciplines
2. Identify, collect, and preserve various forms of physical evidence
3. Follow protocols for processing various types of evidence
4. Communicate the outcomes and limitations for the analysis of physical evidence

REQUIRED TEXT

James SH, Nordby JJ, Bell S (2014) Forensic Science: An Introduction to Scientific and Investigative Techniques. 4th ed. Boca Raton: CRC Press. ISBN: 978-1-4398-5383-2

KEY POINTS FOR SUCCESS

1. Lab coats, closed-toed shoes, and goggles are required at all times within the laboratory.
2. The maintenance of your personal protective equipment (PPE) is your responsibility. Please inform us immediately if you have issues with your PPE.
3. Attendance and participation is crucial for success in this class and subsequent Forensic Sciences classes.
4. Assigned book chapters must be read before the relevant block.
5. Adhere to the Forensic Sciences Code of Conduct.
6. Check your email and Canvas regularly.

EVALUATION OF STUDENT PERFORMANCE

| Activity | Points |
|------------------------------|--------------------------|
| Post-Laboratory Assignments | 120 (12 @ 10 points per) |
| Weekly Quiz | 120 (12 @ 10 points per) |
| Take Home Exercise (The THE) | 10 |
| Attendance | 14 (1 point per session) |
| The Amazing Forensic 333 | 30 |
| Total | 294 |

The grading scale is:

| | |
|------------|---|
| 100% - 90% | A |
| 89% - 80% | B |
| 79% - 70% | C |
| 69% - 60% | D |
| ≤ 59% | F |

TENTATIVE SCHEDULE

| Block | Tuesday | Chapter | Subject | Notes |
|-------|-------------|---------|--|-----------------------|
| 1 | 16 January | 1, 2 | Introduction, Syllabus Review, Laboratory Safety | Issue Tyvek Suit |
| 2 | 23 January | 3 | Crime Scene Investigation | Tyvek Suit Required |
| 3 | 30 January | 13 | Fingerprints I | Lab Coat Required |
| 4 | 6 February | 13 | Fingerprints II | Lab Coat Required |
| 5 | 13 February | 16 | Trace Evidence I | Lab Coat Required |
| 6 | 20 February | 16 | Take Home Exercise (The THE) | Class Canceled |
| 7 | 27 February | 16 | Trace Evidence II | Lab Coat Required |
| 8 | 6 March | 14 | Firearms | Home virtual exercise |
| 9 | 13 March | 4 | Bloodstain Pattern Analysis | Lab Coat Required |
| 10 | 20 March | 6 | Forensic Anthropology | Lab Coat Required |
| - | 26-30 March | | Spring Recess | Class Cancelled |
| 11 | 3 April | - | Forensic Microanthropology | Lab Coat Required |
| 12 | 10 April | 5,7 | Entomology | Lab Coat Required |
| 13 | 17 April | 15 | Impressions | Lab Coat Required |
| 14 | 24 April | | Questioned Documents | Lab Coat Required |
| 15 | 1 May | - | The Amazing Forensic 333 | Tyvek Suit Required |

ADDITIONAL POLICES

Academic Integrity

You are required to sign and follow the Forensic Sciences Code of Conduct. Violation of the Code of Conduct will result in a hearing in front of the Forensic Sciences Ethics Committee. In addition, students are expected to read and abide by the Student Rules of

Conduct which are available in your copy of the Student Handbook. Cheating in the form of plagiarism, collusion, deception and will not be tolerated.

Absences

Each unexcused absence will result in:

- 0 points for attendance
- 0 points for Post-Laboratory Assignment

Unexcused absences for two consecutive weeks may result in being withdrawn from the course by the instructor.

A planned, excused absence must be communicated to the instructor at least one week prior to the laboratory. Necessary arrangements will be made to meet student learning objectives.

An unplanned, excused absence must be communicated to the instructor within one week of the missed laboratory. Necessary arrangements will be made to meet student learning objectives.

Determination of valid excuses for missed classes is at the sole discretion of the instructor.

Laboratory Safety Information

The following guidelines are established to provide instructions in maintaining safety for students, staff, and faculty while using any of the science laboratories at Chaminade University. Students are required to sign a safety contract. In addition to adhering to the safety contract, students are required to follow these two rules:

1. Lab coats, closed-toed shoes, and goggles are required at all times within the laboratory.
2. The maintenance of your personal protective equipment (PPE) is your responsibility. Please inform us immediately if you have issues with your PPE.

The Division of Natural Sciences and Mathematics (NSM), along with the University Environmental Safety Office are responsible for enforcing the regulations set forth in the current Student Handbook. Queries should be addressed to: Dean of Natural Sciences and Mathematics (808) 440-4204; Environmental Safety Officer (808) 739-4811

ADAA Statement

Pursuant to several federal and state laws, including the Americans with Disabilities Act of 1990, as amended by the ADA Amendments Act of 2008, and Section 504 of the Rehabilitation Act of 1973, all qualified students with disabilities are protected from discrimination on basis of disability and are eligible for reasonable accommodations or modifications in the academic environment to enable them to enjoy equal access to

academic programs, services, or activities. If a student would like to determine if they meet the criteria for accommodations, they should contact the Counseling Center at 808-735-4845 for further information.

Policy on Communication

The University provides a Chaminade email address for all students. Official Chaminade communications will be sent to the students' Chaminade email address and instructors will use this email to communicate with students. It is the responsibility of the student to check their email frequently. Report email-related problems to the Helpdesk at 808-735-4855 or helpdesk@chaminade.edu.

Title IX Declaration

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. Should you want to speak to a confidential source you may contact the Chaminade Counseling Center at (808) 735-4845.

Electronic Devices

Use of music devices is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor. Use of music devices in laboratories is a safety issue. In addition, use of music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. You will be asked to leave class and marked absent if you do not comply. This will negatively affect your grade. Please refer any questions to the Dean of Natural Sciences and Mathematics.

The instructor may modify elements of this syllabus according to the operational needs of the class.