



School of Natural Sciences and Mathematics
Forensic Sciences Department

FS 455, Medicolegal Death Investigation

Brogan Education Building, 102 Lecture, M, W, F 11:30A-12:20P

Credits: 3 Section: 01 Term: Spring Semester 2026

Instructor Information



Instructor: Carlos A. Gutiérrez Ayala, Ph.D.

Email: Carlos.gutierrez@chaminade.edu

Phone: (808) 739 8352

Office Location: 207A Eiben Hall

Office Hours:

Tuesdays: 1:00P – 2:00P

Wednesdays 1:00P – 3:00P

Thursdays: 1:00P – 2:00P



Schedule your meetings during Office Hours: <https://calendar.app.google/2Jfj1t1Mzs4XtLgf9>

Communication

You can also request a meeting outside of Office Hours. To do so, send an email to carlos.gutierrez@chaminade.edu. Include multiple dates and times that you are available to meet. (Will respond in 24hrs/48hrs)

School & Department Information

School of Natural Sciences and Mathematics

The School of Natural Sciences and Mathematics is located in the Wesselkamper Science Building, Office 116, Phone: (808) 440 4204

If you have questions about the Forensic Sciences Department, the faculty offices are in Eiben Hall 207.

Course Description & Materials

Catalog Course Description

FS 455 Medicolegal Death Investigation (3)

Covers the operations of medicolegal death investigation including field and morgue duties, relationships with law enforcement, hospitals, emergency services, and health systems. Students will be responsible for learning medical terminology, common medicines, medical procedures (particularly emergency medical intervention), decomposition, and the recognition and documentation of medical paraphernalia related to procedures. Also covered will be scene interview techniques, evidence recovery, photography, and postmortem fingerprinting.

Pre-Requisites: EN-102, COM-101, FS-233L or FS-333L, with a grade of "C" or better, and Senior Standing.

Time Allocation

This three-credit course requires 135 clock hours of students' engagement per the official CUH Credit Hour Policy. Students enrolled in this course are anticipated to spend 37.5 hours in class, 28 hours researching and writing the five-page essay, 16 hours studying for the midterm exams, and 10.5 hours studying for and taking the final exam. There will be an additional 43 hours of work required beyond what is listed here (course reading, homework assignments, etc.), averaging 2.9 hours each week.

Required Materials

This class requires a textbook that complements the lectures. The lectures are based on the textbook chapters and the recommended textbooks. Some additional materials will be provided by Canvas and Google Drive.

Textbooks

1. Clark, S.C., Ernst, M.F., Haglund, W.D., & Jentzen, J.M. (Eds.) (1996). *Medicolegal death investigator: A systematic training program for the professional death investigator*. Occupational Research and Assessment, Inc. Big Rapids, MI.

Recommended Textbooks

- Eliopoulos, L.N. (Ed.) (1993). *Death investigators handbook: A field guide to crime scene processing, Forensic evaluations, and investigative techniques*. Paladin Press. Boulder, CO.
- La Vigne, N. (Ed.) (2024). *Death investigation: A guide for the scene investigator*. National Institute of Justice. Washington, DC.

- Institute of Medicine (US) Committee for the Workshop on the Medicolegal Death Investigation System (Eds.) (2003). *Medicolegal Death Investigation System: Workshop Summary*. National Academies Press. Washington, DC.

-Spitz and Fisher, *Medicolegal Investigation of Death, Guidelines for the Application of Pathology to Crime Investigation*, Fifth Edition, Charles Thomas Publisher, 2020, ISBN 9780398093129.

Canvas

Canvas will be used to store class materials, submit assignments, and access your grade. Canvas will also be used for email communication, but you can also email me directly at carlos.gutierrez@chaminade.edu

Google Drive

This drive will be used to house larger files, if necessary.

Learning Outcomes

Program Learning Outcomes (PLOs)

Forensic science is the natural science branch of the justice system. It is concerned with interpreting physical evidence. Investigations proceed by using physical evidence and testimonial evidence to reconstruct past events. Not surprisingly, forensic science comprises several disparate fields of study and the aim of this course is to combine all the scientific knowledge to reconstruct a case and give the answers needed by the justice system.

Upon completion of the B.S. in Forensic Sciences, the student will be able to:

1. Apply the scientific method in an adaptive and mindful manner.
2. Use techniques for recognition, documentation, analysis, and interpretation of physical evidence.
3. Implement quality assurance programs, incorporating ethics and professional practice, to act as stewards of justice and peace throughout the broader community.
4. Communicate disciplinary knowledge to diverse audiences.

Course Learning Outcomes (CLOs)

Forensic science is the natural science branch of the justice system. It is concerned with interpreting physical evidence. Investigations proceed by using physical evidence and testimonial evidence to reconstruct past events. Not surprisingly, forensic science comprises several disparate fields of study and the aim of this course is to combine all the scientific knowledge to reconstruct a case and give the answers needed by the justice system.

Upon completion of the FS 455 course, the student will be able to:

1. Demonstrate reason and rationale to why, or why not, medicolegal death investigations are conducted.
2. Identify and describe relevant ante-, peri- and post-mortem information using proper scientific, medical and anatomical terminology.
3. Communicate clearly, professionally and ethically with other investigators and community members.
4. Understand how various forensic disciplines can assist in medicolegal death investigations.
5. Understand the strategy, procedures and requirements of a medicolegal death investigation.

Marianist Values

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith.
2. Provide an integral, quality education.
3. Educate in family spirit.
4. Educate for service, justice and peace, and integrity of creation.
5. Educate for adaptation and change.

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Olelo No'eau 364) May I live by God.
2. Provide an Integral, Quality Education (Na'auao) Lawe i ka ma'alea a kū'ono'ono ('Olelo No'eau 1957) Acquire skill and make it deep.
3. Educate in Family Spirit ('Ohana) 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Olelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship.

4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no‘eau (‘Ōlelo No‘eau 1430) Education is the standing torch of wisdom.
5. Educate for Adaptation and Change (Aina) ‘A‘ohe pau ka ‘ike i ka hālau ho‘okahi (‘Ōlelo No‘eau 203) All knowledge is not taught in the same school

Alignment of Course Learning Outcomes

	CLO 1	CLO 2	CLO 3	CLO 4
Marianist Values	x	x	x	x
PLOs	x	x	x	X
Native Hawaiian Values	x	x	x	x
Gen Ed Learning Outcomes (if applicable)				

Course Activities

Evaluation of Student Performance

All grades will be posted in Canvas within one week of assignment/exam submission. Attendance grades will be posted to Canvas every week. Your grade will be kept current all semester. You are encouraged to contact me at carlos.gutierrez@chaminade.edu at any time to discuss your grades. I strongly encourage you to check your grades regularly. All assignments have firm due dates, and your score will be penalized 10 points for each day late.

Evaluations (Total of 860 Points)

Attendance (360 points):

Classes are scheduled to meet in person on Mondays, Wednesdays, and Friday, unless otherwise indicated. You will earn 10 points per class attended starting Monday, January 12th. Please be aware that the total attendance points will change if a class period is canceled due to illness, weather, or another reason.

Participation (100 points):

Expressing your point of view in forensic sciences is crucial. Because of that, if you participate in classes by **asking questions** or **giving your point of view**, you will earn 100 points per semester.

Examinations (400 points):

- Midterm Exams (200 points total): You are required to complete two midterm exams. These exams are modeled after forensic science certification and accreditation exams (multiple-

choice, true/false, and short-answer essays). Each midterm exam is worth 100 points. This midterm exams based on the content of the course lectures and readings. The exams will be completed through Canvas during a designated class period (see tentative schedule). You will need to study the material ahead of time in order to arrive prepared. No course or personal (e.g. notes) material will be authorized during any exam.

- Final Exams (200 points): The final exam is divided into two parts: Written (100 points) and practical (100 points).

Practical Final Exam: You and your team (4-5 students) will process one crime scene (document, collect evidence, etc.) and complete all the forms for that case. In this exam, you need to apply all your knowledge of CSI and MDI.

Final Written Exam: This exam will include multiple-choice, true/false, and short-answer essay questions that must be answered by the student. The structure of the exam will be similar to the two midterm exams.

Unexcused absences from any midterm or final exam will result in 0 points.

If any student misses 2 consecutive weeks, they will be administratively withdrawn from the lab.

Course Policies

Extra Credit

If any student needs an extra credit assignment, they should approach the instructor at least one month before finals week (May 4th to the 8th) to discuss possible options. It won't be an extra credit assignment for unexcused absences or for other situations in which students have shown a lack of interest in the course.

Lateness:

Students should be in class on time. If a student is late by 2-10 minutes, they will lose 5 points from their attendance. If they are more than 10 minutes late, they will lose all 10 attendance points assigned for that lecture.

Changes to the Syllabus

While the provisions of this syllabus are as accurate and complete as possible, your instructor reserves the right to change any provision herein at any time. Every effort will be made to keep you informed of such changes, and information will be available from your instructor.

Grades of Incomplete

This is a very unique situation for this class. The only circumstances in which some students might find themselves in this situation are if they have an extra credit assignment pending for evaluation or submission. This will be discussed between the instructor and the student.

Final Grades

Final grades are submitted to [Self-Service](#):

Activity	Points
Midterm Exams	200 (100 points per exam)
Written Final Exam	100
Practical Final Exam	100
Participation	100
Attendance	360 (10 point per class)
Total	860

Points	%	Letter Grade
860 – 774	100 – 90	A
773 – 618	89 – 80	B
617 – 432	79 – 70	C*
431 – 259	69 – 60	D**
258 – 0	59 – 0	F

***This class is a prerequisite for FS 471/L, FS 487, FS 490, FS 491, and FS 492. The student should get a minimum C grade to be enrolled in the next FS course.**

**** A student who receives a D as a final grade in this course is considered to have passed, but cannot use this grade if they need to take the next FS course.**

Important Information

Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or

to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an “F” grade for the work in question, an “F” grade for the course, suspension, or dismissal from the University.

For the most up to date information, please refer to the [Academic Honesty Policy](#) on the Chaminade University Catalog website.

TITLE IX AND NONDISCRIMINATION STATEMENT:

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. For pregnant and parenting students, I am also obligated to provide you with similar resources for support and protections available to you. My goal is to make sure that you are aware of the range of options available to you and have access to the resources and support you need.

Nondiscrimination Policy & Notice of Nondiscrimination

The university is committed to complying with all State and Federal statutes, rules, and regulations that prohibit discrimination. The university is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin (including shared ancestry and ethnic characteristics), ancestry, citizenship, disability, genetic information, marital status, breastfeeding, arrest and court record (except as permissible under State law), sexual orientation, or status as a covered veteran. Inquiries about Title IX or general Civil Rights concerns may be referred to the University’s Title IX Coordinator, the U.S. Department of Education’s Office for Civil Rights, or both, and contact information may be found [HERE](#). *On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).*

The University’s Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: <https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/>.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#).

Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates.

The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

Hazing Prevention Resources and Athlete Helpline:

Assists athletes, parents, coaches, and any allies interested in ensuring physical and mental safety for sports communities by offering confidential emotional support, crisis intervention, informational athlete-focused resources, and guidance related to concerns about any type of abuse—including hazing.

Chaminade University's Hazing Policy:

<https://catalog.chaminade.edu/studenthandbook/codeofconduct>

<https://hazingpreventionnetwork.org/athlete-helpline/>

<https://hazingpreventionnetwork.org/how-to-report-hazing/>

Basic Needs Resources: <https://chaminade.edu/basic-needs/>

Campus Safety/ SafeSwords

A program for students, faculty and staff, who may feel uncomfortable or unsafe walking alone on campus, at any time of the day. Call security, and a security professional will meet you at your location on campus. The security professional will escort you to your residence hall, car, etc. Students may utilize this when walking to and from night classes around campus or after late night events. [SafeSwords Webpage](#)

CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cellphone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at ada@chaminade.edu each semester if changes or notifications are needed.

Kōkua ‘Ike: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua ‘Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check [Kōkua ‘Ike’s](#) website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua ‘Ike at tutoring@chaminade.edu or 808-739-8305.

Instructor and Student Communication

Questions for this course can be emailed to the instructor at carlos.gutierrez@chaminade.edu. Online, in-person, and phone conferences can also be arranged.

Use of IA Tools

During this course, students are allowed to use any type of AI tool, such as ChatGPT, Bing AI, and Grammarly, for study purposes only. Using AI tools to write midterm or final exams, extra credit papers, or other evaluations is strictly prohibited.

United Nations Sustainable Development Goals “SDG”



This course covers the UN *SDG 16: "Peace, Justice and Strong Institutions"*, Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable and inclusive institutions at all levels.

Technical Assistance for Canvas Users

- Get started and find help on specific topics at the [Canvas Community](#)
- Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu, or call (808) 735-4855

Tutoring and Writing Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua `Ike: Center for Student Learning in a variety of subjects (including, but are not limited to: biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check Kōkua `Ike's website (<https://chaminade.edu/advising/kokua-ike/>) for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via Smarthinking. Smarthinking can be accessed 24/7 from your Canvas account. Simply click Account – Notifications – Smarthinking. For more information, please contact Kōkua `Ike at tutoring@chaminade.edu or 808-739-8305.

Cell phones, tablets, and laptops

Out of consideration for your classmates, please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a computer or tablet. Laptops and tablets should not be misused, such as by checking distracting websites. Use your best judgment and respect your classmates and instructor.

Readings & Due Dates

TENTATIVE SCHEDULE

Week	Day	Chapter	Subject	Notes
1	12, 14, 16 Jan	1, 2, 5, 7, 8, 37	-Syllabus Review -Orientation & Roster Review -Beginning of Course Learning Survey -Introduction and MDI Cases	-Welcome! https://forms.gle/1WXMsQAkoepxmQyd7
2	19 Jan	10 -12, 5-19	Dr. MLK Jr. Day	-Holiday, No Class -Add/Drop period, Jan 12 th -20 th
2	21,23 Jan	1/2 18,19/2	Communication	
3	26 Jan	9, 20- 26	Interaction with families	

3	28 Jan		Founder's Day Mass	No Class
3	29 Jan	9, 20- 2	Interaction with families	
4	2,4,6 Feb	3,4,6	Taking the "first call"	
5	9,11,13 Feb		AAFS Conference	-No Classes -Paper/Watch Autopsy documentary -Withdraw without Record Deadline, Feb 13 th
6	16 Feb		President's Day	-Holiday, No Class
6	18,20 Feb	27-30	Responding to the scene	
7	23,25,27 Feb		ACSR Conference	-No Classes -Paper reading
8	2 Mar		1 st Midterm exam	
8	4,6 Mar	31,33,38	Responding to the scene	
9	9,11,13 Mar	32,35,37,48, 50	Scene documentation	
10	17-19 Mar		Spring Break	NO CLASSES
11	23,25,27 Mar	32,35,37,48, 50	Scientific Knowledge	-Withdraw Deadline (W) March 25 th
12	30 Mar, 1 Apr	39,41	Scientific Knowledge (Evidence and Property)	-Fall Semester Registration: March 30 th 90+ credits and Students Athletes.
12	3 April		Good Friday	Holiday, No Class
13	6,8 April	13,14,34,37	Scientific Knowledge	
13	10 April		2 nd Midterm exam	
14	13,15,17 April		Scientific Knowledge (Processing a Death Investigation Scene)	CSH
15	20,22,24 April		Guest Lecture Mrs. Stephanie Howard: Fingerprint Identification	Each team will be working in the scene report
16	27, 29 April		- Scientific Knowledge -End of Course Learning Survey	-Scene Report Due date April 29. https://forms.gle/LbVcFfKDgzkBCMDe7
16	1 May		FINAL WRITTEN EXAM	
17	5 May		FINAL PRACTICAL EXAM Tuesday May 5 th 8:30 am – 10:30am	Meeting at the CSH

