

San José State University
Department of Justice Studies
FS167, Forensic Molecular Biology, Spring 2022

Contact Information

Instructor: Jeremiah Scott Garrido, Criminalist (Forensic Biology Unit /Crime Scene Response)

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Office Hours: Monday & Tuesday 8pm-9pm (Or by a

Class Days/Time*:

Classroom:

Prerequisites:

(Recommended as a Resource) Fundamentals of Forensic DNA Typing. John Butler 2010. ISBN 9780123749994. Academic Press (This is an older textbook that is a companion of the textbook required for this class. *Although not required, this will be very useful to consult for several topics – Your instructor will provide resources for this textbook – including power points via email and/or Canvas.* If you plan for a career in Forensic DNA Analysis, I highly recommend retaining as a reference.

Forensic Biology Laboratory Protocols. Crime laboratory protocols (publicly available). Protocols will be handed out and utilized for exercises.

Additional reading and Internet materials:

Outlines, Journal articles and other readings will be accessible at the SJSU

Administrative Criteria:

- Are all case notes taken contemporaneously?
- Is the chain of custody completed for any evidence transfers and documented appropriately? Are proper citations and acknowledgements documented for other individual's work (e.g. citations/references/teammates whole names)? Is the evidence, properly sealed and stored where indicated?
- Is the documentation complete? Do the reports include notes, sketches and photographs? Are all pages numbered, dated and initialed? Is all data properly and securely inserted into the laboratory casefile?
- Where assigned, do the reports address the questions provided?
- Are the reports organized with all sections? Is the writing clear and legible?

Technical and Scientific Criteria:

- Are data tabulated/summarized and analyzed accurately?
- Does the data support the statements in the reports?
- Are the statements within the report and between team members consistent? If not, are discrepancies explained?
- Is the technical detail provided sufficient for court and would the CSI be able to reconstruct the "crime scene" years from now, based on the documentation?
- Are additional external references/citations utilized (those not provided in the class)?

Grading:

Quizzes/Activities	100 points;
Exam 1	100 points;
Exam 2 (Paper /Writing Assignment)	50 points;
Laboratory casefiles	100 points;
Final exam	150 points;
Total required	500 points.

Grading Policies:

Make-up exams will not generally be permitted. However, under extraordinary circumstances, with proper documentation and approval by the instructor, an alternate assignment may be provided.

Grading Scale (plus/minus)

<i>From</i>	<i>Grade</i>
<i>To</i>	
483.5-500	A plus
467-483.4	A
450-466.9	A minus
433.5-449.9	B plus
417-433.4	B
400-416.9	B minus
383.5-399.9	C plus
367-383.4	C
< 383.4	F

This course must be passed with a C or better as a CSU graduation requirement.

Classroom Protocol

Proper Zoom etiquette and participation are expected. You will be evaluated in part based upon your contributions to class discussions. It is essential that you come prepared to participate so keep up with the reading and plan to speak up. Attendance is imperative for success in this class.

University Policies

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](http://www.sjsu.edu/provost/services/academic_calendars/) at http://www.sjsu.edu/provost/services/academic_calendars/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Consent for Recording of Class and Public Sharing of Instructor Material

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, requires students to obtain instructor's permission to record the course.

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
 - It is suggested that the greensheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
 - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

Academic integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Integrity Policy S07-2 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

In 2013, the Disability Resource Cent

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](http://www.sjsu.edu/writingcenter) at <http://www.sjsu.edu/writingcenter>. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have QR Reader to scan this code.)



SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit [Counseling Services website](http://www.sjsu.edu/counseling) at <http://www.sjsu.edu/counseling>.

CASA Student Success Center

The Student Success Center in the College of Applied Sciences and Arts (CASA) provides advising for

Justice Studies Reading and Writing Philosophy

The Department of Justice Studies is committed to scholarly excellence. Therefore, the Department promotes academic, critical, and creative engagement with language (i.e., reading and writing) throughout its curriculum. A sustained and intensive exploration of language prepares students to think critically and to act meaningfully in interrelated areas of their lives—personal, professional, economic, social, political, ethical, and cultural. Graduates of the Department of

FS167 Forensic Molecular Biology (Lec/Lab), Spring 2022 Tentative Course Schedule

(this will change fair notice)

Week/Date		Lecture	Laboratory (<i>day after lecture</i>)
1	31 Jan	"We've Come A Long Way" Overview of Forensic DNA typing and History of Forensic DNA – Outline(s) by Instructor Intro Continued: "We've Come A Long Way"	Lab: Laboratory Orientation Setup small student groups.
2	7 Feb		