

San José State University
Department of Justice Studies
FS 11 Survey of Forensic Science, Section 80, Course number 50502,
Fall 2019

Course and Contact Information

Instructor: Dr. Steven B. Lee

Office Location: MQH 528

Telephone: 408-924-2948

Email: steven.lee@sjsu.edu

Office Hours: **Mondays 8:00-09:00 am online.** Setting up appointments by email is preferred however you may contact me during in person hours listed above. Note that hours may be moved to accommodate meetings and students will be notified by posting. Preferred to set by appointment via email to steven.lee@sjsu.edu with subject **the g"j qwt'tgs wguö'cu'y ku'y c{ "{qw'y qpø'** need to wait for meetings with other students. Post general class questions to **yj g'F kuewukqp'Dqctf 'vopf gt'yj g"öJ GNRO Gö'f kuewukqp'dqctf "qt"go ckl'ö g"** private questions.

Class Days/Time: Our course meets entirely online, asynchronously, on Canvas. You will have assignments, readings, videos, discussions, and deadlines with all being posted on the Canvas site and the majority due on Mondays by 11:59 pm. There are five content modules in the course, plus one welcome module. Modules begin officially at the beginning of each week (the week before they are due but will be open earlier for those interested in getting started sooner). There will be one non-cumulative test/quiz at the end of each module.

Classroom: [Canvas](https://sjsu.instructure.com/) : <https://sjsu.instructure.com/>

Course Format

Course Materials Canvas Web Page

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the [Canvas Learning Management System course login](http://sjsu.instructure.com) website at <http://sjsu.instructure.com>. You are responsible for regularly checking on the Canvas course page to learn of updates.

Course Description

This survey course introduces students to the profession of forensic science. Topics include the history and sub-disciplines of forensic science, and the scientific methods and analytical instrumentation used for the recognition, documentation, collection, preservation, and analysis of physical evidence. Note: This course is required for FS majors and FS minors. Recommended for JS majors, and any student with a general interest in Forensic Science.

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

CLO1 Understand the roles of forensic and investigative personnel, their separate duties and how they work together.

CLO2 Articulate a realistic perspective of the field of forensic science, the nature of the work, its limits, challenges, and successes.

CLO3 Demonstrate understanding of forensic science concepts such as chain of custody, scientific method, pattern evidence, identification evidence, individualized evidence, class and individual characteristics, probative value, and the Locard Exchange Principle.

CLO4 Demonstrate understanding of genetic principles such as inheritance, DNA, STRs, alleles, genotype, phenotype, and PCR. Explain the history of DNA profiling.

CLO5 Display foundational knowledge in the history of forensic science, the structure and organization of crime labs, the analytical processes and procedures used, the sub-disciplines and contributing sciences of forensic science, and the types of evidence encountered.

Required Texts/Readings 180.38 570.76 Tm0 g0 G((CLO)5())JTJETQq0.00000912 24FJ612 792 reW*nBT/12 Tf1 0 0

Library Liaison

Silke Higgins silke.higgins@sjsu.edu

Course Requirements and Assignments (Required)

Assignments

- 1. Exams/Quizzes (75 %):** There will be five non-cumulative exams/quizzes (15% each) in this class (one for each module 1-5) which includes the final quiz. Format will include multiple choice, matching, true/false, and short answer. Each exam will be administered on canvas. The last and 5th exam/quiz will be your final exam/quiz and will be available on the date scheduled for your final Thursday December 12th, 2019. [See the Final Exam Schedule for Fall 2019](#). Your 5 exams/quizzes will be due on 11:59pm of each of the following dates: **September 16th, October 7th, October 28th, November 18th, and December 12th** (CLO1-5)
- 2. Answers to Chapter Questions (5%):** There will be a total of five dates that your chapter review questions will be due. Answers to chapter review questions will be required to be completed by the following **due dates: September 16th, October 7th, October 28th, November 18th, and December 9th** by submission to our canvas course site, you will answer the questions and upload to the canvas site by 11:59 PST on each of those dates. (CLO1-5)
- 3. Discussion Board (5%):** Access the Discussion Board through the links on the left side menu on Canvas. The purpose of the discussion board is to discuss concepts, ideas, techniques, etc. There will be 5 sets of discussion questions that will be based on required readings, websites or videos. Your responses to the sets of discussion questions will be **due on September 16th, October 7th, October 28th, November 18th, and December 9th**. For each set of discussion questions, students must post at least one substantive response to the question, and one substantive response to a peer's response. A substantive post is one that is meaningful and specific and moves the conversation forward. A non-substantive post is one that is vague, simply repeats or restates what someone else has already said.
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Chapter questions (5%)- Five sets of chapter questions at 1% each = 5 points

Discussion board (5%)- Five sets of discussion board responses at 1% each = 5 points

Team activities (15%)

for academic advice or even tips about how to navigate your way around SJSU, check out the CASA Student Success Center. Location: MacQuarrie Hall (MQH) 533 - top floor of MacQuarrie Hall. Contact information: 408.924.2910. Website: <http://www.sjsu.edu/casa/ssc/>. The CASA Student Success Center also provides study space and laptops for checkout.

FS 11 Survey of Forensic Science Fall 2019 Course Schedule

Schedule for Chapter Readings, On line Quizzes/Exams and Final Exam

Note that the scheduling details of all the readings, assignments and deadlines are posted on the Canvas Course site. This schedule is a general guideline for completing chapter readings and quiz/exam dates.

Four quizzes will be due: **September 16th, October 7th, October 28th, November 18th, and December 12th**

8/21-8/26 Module 0: Getting Started ó P qv'cng"vj g":U{ mcdwu's wkl ø'y j lej "y qpø'dg"eqwpvgf "vqy ctf "i tcf gu0

8/26-9/16 Module 1: Introduction to FS & CSI, Death Investigation Exam/Quiz 1(Ch 1,2,3, and 5): **9/16**

9/17-10/07 Module 2: Forensic Biology, Bloodstains and Anthro Exam/Quiz 2 (Ch 4,6,8 and 9): **10/7**

10/8-10/28 Module 3: Forensic Chemistry, Trace, Exam/Quiz 3 (Ch 10,11,12, 16, 17): **10/28**

10/29-11/18