

Required Texts/Readings

Bell, S. (2019). *Forensic Science: An Introduction to Scientific and Investigative Techniques*, 5/E. CRC Press/Taylor & Francis.

Course Requirements and Assignments

1. Exams & Quizzes (40%): There will be two midterm exams and periodic quizzes on terminology, readings, lecture, and labs. Format will include multiple choice, fill-in, short essay, and diagrams. (CLO1-4)
2. Practical Exercises (40%) may include observation, Locard Principle, trace evidence, physical fit, biometrics, questioned documents, pattern evidence, ethics, and others. (CLO1)
3. DNA/Mass Disaster (5%): Students will determine familial relationships between and among disarticulated body parts by correctly interpreting DNA profiles, and write their findings in a ~3 page scientific report. (CLO2)
4. Group Presentation (5%) Instructor will determine topics. (CLO 4)
5. Discussion Board (5%): Students will respond substantively to discussion prompts and to classmates on various forensic science-related topics. (CLO 1-4)
6. Chapter Review Questions (5%) Students will complete the chapter review questions at the back of each assigned chapter. (CLO1-4)

All assignments are graded based on adherence to directions, thoroughness, thoughtfulness/effort, clarity, logic, accuracy, and writing mechanics.

Grading Scale for All Assignments

A plus	97-100
A	94-96.9
A minus	90-93.9
B plus	87-89.9
B	84-86.9
B minus	80-83.9
C plus	77-79.9
C	74-76.9
C minus	70-73.9
D plus	67-69.9
D	64-66.9
D minus	60-63.9
F	<60

FS 162 Forensic Science Applications Fall 2021 Course Schedule

Schedule is subject to change.

Week	Date	Topics, Readings, Assignments, Deadlines	Homework and Assignments
1	8/22 8/24	Course overview, form groups, lab notebook rubric	

Week	Date	Topics, Readings, Assignments, Deadlines	Homework and Assignments
7	10/3 10/5	Human ID: Teeth, bite marks, dental records Lab: Bite Marks	See links/articles on Canvas Post-Lab Discussion Questions
8	10/10 10/12	Human ID: Bones Bones Lab	Chapter 7 Quiz 2 on Canvas
9	10/17 10/19	NAS Report, CSI Effect, evidence backlog, types & sources of forensic error, research culture in FS, QC & QA, accreditation, certification, standardization, FSAT	NAS Report See links/articles on Canvas
10	10/24 10/26	Frye, Daubert, Federal Rules of Evidence Court testimony/testifying as an expert witness	Chapter 1, 2
11	10/31 11/2	Professional ethics Ethics Lab	See links/articles on Canvas
12	11/7 11/9	Questioned Documents QD Lab	Chapter 18 Quiz 3
13	11/14 11/16	Pattern Evidence, ACE-V, Lab: Shoe prints Getting a Job as a Forensic Scientist: Internships, Job Postings, Applications, Resumes, Cover Letters, Interviews	Chapters 14,15,16 Develop Resume
14	11/21 11/23	Job Lab No Class Thanksgiving Break	
15	11/28 11/30	Class Data Set, Exam Review Jeopardy Final Exam (in class)	
16	12/5	Final	