Department of Justice Studies FS 162 Forensic Science Applications CRN _____ & _____, Summer 2019

Instructor				
Contact Information	Email: shawna.bolton@sjsu.edu			
Contact information	Phone: 408-924-			
Office Location and	Health Building 210A			
Hours	Drop in: M & W 9:30a-10:30p by appointment			
Canvas Course	https://sjsu.instructure.com			
Website	Login using your Tower ID Card and Password Courses FS 162			
Lecture/Practical	Mondays - Thursdays, 1			
Days/Time				

Course Content Learning Outcomes (LOs)

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

- Classify evidence and use appropriate analytical techniques in human identification, serology, trace evidence, questioned documents, pattern identification, glass reconstruction, and bite mark identification.
- Control LO2 Explain the history and importance of DNA fingerprinting, articulate the principles of DNA profiling and inheritance, and apply this knowledge to a realistic field exercise.
- **LO3** Analyze and critically evaluate forensic error, and ethical issues in forensic science.
- LO4 Explain and describe the Scientific Method; the Locard Exchange Principle; safe lab

Grading Scale for All Assignments

Letter Grade	<u>Percent</u>	Letter Grade	<u>Percent</u>	Letter Grade	Percent
A plus (A+)	97-100	C plus (C+)	77-79.9	F	<60
A	94-96.9	C	74-76.9		
A minus (A-)	<u>90-93.9</u>	C minus (C-)	<u>70-73.9</u>		
B plus (B+)	87-89.9	D plus (D+)	67-69.9		
В	84-86.9	D	64-66.9		
B minus (B-)	<u>80-83.9</u>	D minus (D-)	<u>60-63.9</u>		

All assignments are graded based on adherence to directions, thoroughness, thoughtfulness, clarity, and logic.

Note: A grade of C or better is required for all Justice Studies major and minor coursework, and desirable for students enrolled in the Forensic Science majors and/or minor.

Extra Credit

Extra credit opportunities may be available throughout the semester and will be used to augment your final grade up to 3%. You may submit up to three extra credit assignments of your choosing. Each extra credit opportunity is given a weighted value of 10 marks.

- 1. **Join a professional organization** (CAC, AAFS, IAI, *etc.*) that is of specific interest to *you* and supply proof of membership before the end of the semester. A professional organization is one that holds conferences and/or produces a periodic journal. This is not the same thing as an internship, job, or student organization; it is a professional *membership*.
- 2. *Tour a crime lab* and write a 2-page, typed, double-spaced synopsis of the experience. Santa Clara has monthly tours, and San Ma(a)7(s)-6(m)-13(on21(M)-6(a)7((a)7(s)7((a)7.6 555.43 164.0 cm) and the synopsis of the experience.

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 Justice Studies leave San José State University prepared to enter a range of careers and for advanced study in a variety of fields; they are prepared to more effectively identify and ameliorate injustice in their personal, professional and civic lives. Indeed, the impact of literacy is evident not only within the span of a specific course, semester, or academic program but also over the span of a lifetime.

Instructor

Dr. Shawna Bolton first attended the University of Toronto where she obtained her BA in Anthropology (major) and double minored in French and English. She then went on to complete an MSc in Criminal Justice with an advanced forensic anthropology interdiscipline at Radford University before earning her PhD in Forensic Sciences at the University of Wolverhampton in the UK. There, Dr. Bolton conducted preliminary research investigating the post mortem molecular properties of cartilage and its potential use as a forensic tool. Upon the completion of her doctorate, she has worked in partnership with Global Forensics and the University of Wolverhampton to prepare and provide academic and laboratory training to Rwandan National Police officers enrolled in an intensive forensic DNA and toxicology module. To date, she is teaching FS and JS courses while continuing her research into cartilage degradation.

FS 162 Forensic Science Applications Summer 2019 Course Schedule - TENTATIVE!

JNB = James, Nordby & Bell Ch = Chapter Canvas = check Canvas for readings Ppt = PowerPoint scretion.

	Week	Date	Topics and Activities	Reading	i
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