

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>4/24/23</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Criminology and Criminal Justice College Social Work and Criminal Justice <small>(To obtain a course number, contact erudolph@fau.edu)</small>		
Prefix CJE Number 4675	<small>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</small> Lab Code	Type of Course <input type="text" value="Lecture"/>	Course Title Advanced Forensic Science
Credits <small>(See Definition of a Credit Hour)</small> 3	Grading <small>(Select One Option)</small> Regular <input checked="" type="radio"/> Sat/UnSat <input type="radio"/>	Course Description <small>(Syllabus must be attached; see Template and Guidelines)</small> Advanced forensic science is designed to give the participants a deeper understanding of the methods, tools, and techniques used by both crime scene investigators and crime lab technicians to determine the probative value of evidence which may be produced during a criminal event. This class will focus on the techniques and information that can be gleaned from recovered evidence, the proper and detailed analysis of that evidence, and the use of both evidence and investigator notes to create an accurate reconstruction of a criminal event.	
Effective Date <small>(TERM & YEAR)</small> Fall 2023	Prerequisites, with minimum grade* CJE 3674 Introduction to Forensic Science or equivalent; "C" minimum grade		Corequisites
		Registration Controls <small>(Major, College, Level)</small>	
<i>*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course</i>			
WAC/Gordon Rule Course <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines.</small>		Intellectual Foundations Program (General Education) Requirement <small>(Select One Option)</small> None <small>General Education criteria must be indicated in the syllabus and approval attached to the proposal. See Intellectual Foundations Guidelines.</small>	
Minimum qualifications to teach course Masters IN CRIMINAL JUSTICE			
Faculty Contact/Email/Phone Sigal Rubin/rubins@fau.edu/305-434-0123		List/Attach comments from departments affected by new course	
Approved by Department Chair <u>Wendy P. Guastafarro, Ph.D.</u> <small>Digitally signed by Wendy P. Guastafarro, Ph.D. Date: 2023.03.22 13:56:56 -04'00'</small> College Curriculum Chair <u>[Signature]</u> College Dean <u>Dr. Naelys Luna</u> <small>Digitally signed by Dr. Naelys Luna Date: 2023.03.29 16:31:21 -04'00'</small> UUPC Chair <u>Ethlyn Williams</u> Undergraduate Studies Dean <u>Dan Meeroff</u> UFS President _____ Provost _____		Date _____ <u>03/28/2023</u> _____ <u>4/24/23</u> <u>4/24/23</u> _____ _____	

Email this form and syllabus to mjennings@fau.edu seven business days before the UUPC meeting.



SCHOOL OF CRIMINOLOGY & CRIMINAL JUSTICE

FLORIDA ATLANTIC UNIVERSITY

CJE 4675 - Advanced Forensic Science
Meeting Day(s)/Time: Thurs 7:10-10PM
Credits: 03

Semester: Spring, Year 2023
Prof. McLaughlin
Office: N/A
Office hours: By Appointment
Classroom: N/A
Telephone: N/A
Email: pmclaughlin@fau.edu

Course Description

Advanced forensic science is designed to give the participants a deeper understanding of the methods, tools, and techniques used by both crime scene investigators and crime lab technicians to determine the probative value of evidence which may be produced during a criminal event. This class will focus on the techniques and information that can be gleaned from recovered evidence, the proper and detailed analysis of that evidence, and the use of both evidence and investigator notes to create an accurate reconstruction of a criminal event.

The class will consist of lecture, online lecture quizzes, and posted online exercises. Online exercises will consist of either discussion board questions or identification of virtual evidence which will be submitted online. Participants will be required to work in groups to properly investigate evidence and compose a working crime scene investigation and reconstruction. Evidence classifications and determinations will be similar to those discussed in CJE3764 Introduction to Forensic Science. Careful observations of the materials will be vital to properly identifying their nature and give each group insights into how that particular piece of evidence fits into the overall investigation.

Lectures will be given in a live synchronous online format and notes will be posted to Canvas as classes proceed. Updates on materials covered and assignments will be made on the Announcements board on Canvas each week. Quizzes and Final will be based on the materials covered in lecture and exercises. Assignments and observations will be based on the student's ability to apply class concepts into real world settings. I reserve the right to add or remove lecture material as time allows in the semester.

The online quizzes and online assignments will be posted to Canvas. Assignments are to be turned in upon viewing the appropriate material.

Instructional Method

Synchronous Online. Students will attend weekly live lectures via Zoom Meeting or participating in the class as fully online. Most classes recording will be posted to Canvas for student review.

Prerequisites/Corequisites

CJE 3674 Introduction to Forensic Science or equivalent

Course Objectives/Student Learning Outcomes

This course is designed to continue and expand the concepts and principles that forensic scientists utilize and evaluate recovered evidence from a crime scene. Students will be expected to understand and apply these concepts in critical thinking applications and assignments. Assignments will require strong observation skills, logic, and deductive reasoning. Remember to think about what you see and know before acting upon instinct. Upon successful completion of this course, students should be able to broadly understand the following:

1. Evaluate physical evidence and how it can contribute to an investigation.
2. Assign probative value to various evidence types.
3. Understand how some forms of evidence can link to individuals.
4. Understand how some forms of evidence can link to other forms of evidence.
5. Apply critical thinking to the environment of a crime scene in evaluating statements.
6. Compile statements and physical evidence to establish a logical crime scene reconstruction.

Course Evaluation Method

You will be evaluated based on four categories of material: Assignments (20%), Observations (20%), Quizzes (20%), and Crime Scene Presentation (40%).

Course Grading Scale

Total	100-	92-	89-	86-	82-	79-	76-	72-	69-	66-	62-	<60
Points	93	90	87	83	80	77	73	70	67	63	60	
Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

There is no “extra credit”. Quiz and assignment scores will be entered into Canvas as soon as possible. No late work is accepted without proper documentation of an emergency. Congratulations if you’ve read this far. If you randomly email me a photo of a polar bear cub, I will award you extra points onto your final average. This offer expires on February 20th.

“Major core courses must be completed with a grade of “C” or better. A grade of “C-“ or lower in major core courses does not satisfy any major requirement and does not count toward the 120 credits required for the degree. Elective courses in the major must be completed with a grade of “C-“ or better. A grade of “D+” or lower in general elective courses does not satisfy any graduation requirement and will not count toward the 120 credits required for a degree. Finally, students must maintain a “C” average in all courses applied to the major.”

Attendance Policy

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class

absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Disability Policy

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

Code of Academic Integrity

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).

Required Texts/Readings

N/A. Students will be required to acquire crime scene latent print development equipment which will be outlined on Canvas. These materials are essential to complete your assignments in a timely manner.

Course Topic Outline

<u>DATE</u>	<u>TOPIC</u>	<u>EXERCISE</u>	<u>NOTE</u>
JAN 12	Class Intro: Bias & Context		
JAN 19	Scientific Principles of Forensic Science I		
JAN 26	Scientific Principles of Forensic Science II		
FEB 2	Crime Scene Procedures		
FEB 9	Firearms and SIR	Ballistic Case Study	
FEB 16	Investigative Processes		
FEB 23	Fingermark Collection	Latent Print Assignment	
MAR 2	Blood and BPA		
MAR 9	SPRING BREAK		BEHAVE!!
MAR 16	Anthropology and Taphonomy		
MAR 23	<i>Anatomy of a Violent Crime</i>		Class optional
MAR 30	<i>Case Analysis: Breonna Taylor</i>		Class optional
APR 6	<i>Case Analysis: Breonna Taylor</i>		Class optional
APR 13	Evidence Analysis		
APR 20	Reconstructions		
APR 27	FINAL WEEK		