Warren County Community College

CRJ 107 Forensic Science
Course Master Syllabus

Course Information

Catalog Description: This course reviews the fundamental techniques used in the analysis and evaluation of physical evidence, including micro-techniques and special subjects of topical interest. Physical properties, organic and inorganic analysis, as well as toxicology are explored. A laboratory is included. This course fulfills the science requirement for criminal justice majors only.

Prerequisite(s): CRJ 105 – Introduction to Criminal Justice

Corequisite(s): None

Credits: 3

Hours: 3

Required Text(s): MindTap Forensic Science for Bertino/Bertino's *Forensic Science: Fundamentals and Investigations*

Supplemental Materials:

Instructor Information

Instructor's Name:

Contact Information:

Office Hours:

Program Goals

1. Describe the structure, functions, and processes of the criminal justice system, including law enforcement, courts, and corrections.
2. Analyze legal principles, constitutional rights, and ethical considerations in criminal justice practices.
3. Apply knowledge of criminal law, due process, and legal procedures in the investigation and prosecution of crimes.

4. Evaluate criminological theories and their application to crime prevention, policing strategies, and rehabilitation efforts.
5. Examine correctional policies, rehabilitation programs, and alternatives to incarceration, considering their impact on individuals and society.
6. Assess modern policing strategies, investigative techniques, and community-based approaches to maintaining public safety.
7. Utilize research methods and data analysis techniques to examine crime trends, policy effectiveness, and criminal behavior.
8. Analyze contemporary issues in criminal justice and propose evidence-based policy recommendations.

Class Core Competencies

The following core competencies are embedded in this curriculum:

- Communicate effectively in both speech and writing
- Use computer systems or other appropriate forms of technology to achieve educational and personal goals
- Use social sciences theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens
- Understand ethical issues and situations
- Address and information need by locating, evaluating, and effectively using information.

Class Learning Assessment

Student Learning Outcomes	Suggested Means of Assessment
Define the complexities of a crime scene and its physical evidence	**Please add here**
Identify different types of physical evidence and utilize proper collection and preservation techniques	**Please add here**
Recognize the value of physical evidence	**Please add here**
Describe the importance of maintaining proper custody of evidence	**Please add here**

Student Learning Outcomes	Suggested Means of Assessment
Gain practical experience in the test procedures used for identifying and analyzing physical evidence	**Please add here**
Examine and explain test results gleaned from laboratory experiments	**Please add here**
Demonstrate the importance of proper documentation of all procedures for court room testimony	**Please add here**

Grading System

Letter Grade	Percentage Range
A	90 to 100 percent
B Plus (B+)	87 to 89.9 percent
B	80 to 86.9 percent
C Plus (C+)	77 to 79.9 percent
C	70 to 76.9 percent
D	60 to 69.9 percent
F	Below 60 percent

College Information

Disability Services
Disability Services Webpage

Statement and Policy on Cheating, Plagiarism, and Academic Conduct
Academic Conduct Policy (Policy 304) [PDF]

Students are required to perform all the work specified by the instructor and are responsible for the content and integrity of all academic work submitted. A violation of academic integrity will occur if a student: (1) knowingly represents work of others as one's own, (2) uses or obtains unauthorized assistance in any academic work, (3) gives fraudulent assistance to another student, or (4) furnishes false information or other misuse of college documents.

Unauthorized use of Artificial Intelligence (AI) is prohibited unless the instructor explicitly permits it in the syllabus or assignments. If tools such as ChatGPT are permitted by an instructor to be used for an assignment, they should be used with caution and with proper citation. In all such cases, you may only use the specific tools identified as acceptable and you must adhere to the College's standards for attribution, validation, and transparency.

In cases of suspected violation of academic integrity, the incident is to be reported to the Office of Academics. A student found guilty of violating the rule of academic integrity by the Vice President of Academics will be considered to have failed in personal obligation to the College; such failure will be subject to disciplinary action by the College. Unless otherwise notified, the instructor will allow students who are pending disciplinary action to attend class.

Tutoring and Testing at the Instructional Support Center (ISC)

- Instructional Support Center (ISC) Webpage

WCCC Library Services

- WCCC Library Website

Citation Styles and Formatting

Work submitted for any Warren County Community College course must conform to the required formatting and citation style that are specified by the instructor. The Library and Instructional Support Center can assist students with formatting and citations for assignments and papers.

WCCC Attendance Expectations

The College expects students to attend and participate in all classes. This involves sharing discussions and lectures in class, as well as interacting with other students. Grades are based on the quality of work students complete in meeting the requirements for a particular course, as stated in the course syllabus and catalog description. Attendance, among other factors, may be an additional criterion for assigning grades. Students should realize that they are responsible for all class meetings and that work missed because of absences may affect their grades. Attendance in online classes is determined by the completion of assignments/ tests. Students who have not completed any assignments or tests will be considered non-attending and receive an NF grade in online classes.

Class Attendance Expectations

Topical Outline

- Forensic science: An introduction
- Crime scene, physical evidence, and crime scene techniques
- Examination of physical evidence trace analysis
- Chemistry: Basics
- Instrumental analysis: Serology, drugs, toxicology
- Procedure and documentation

Grading Methods

Assignment	Points/Percentage

Class Itinerary

Week / Unit	Topic	Readings/Assignments

Week / Unit	Topic	Readings/Assignments