



## COURSE SYLLABUS

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**COURSE:** CJC 222 CRIMINALISTICS

**HOURS:** Lecture: 3 Lab/Shop: 0 Work Exp/Clinical: 0 Credits: 3

### COURSE DESCRIPTION:

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

**PREREQUISITE(S):** None

**COREQUISITE(S):** None

### TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

Open Educational Resources (OER) are listed in the course Moodle.

### STUDENT LEARNING OUTCOMES:

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

1. Explain in detail the role of the Forensic Pathologist, their duties, and required training.
2. Explain in detail what a Traumatic Death is, and the causes and mechanisms of death.
3. Have a working knowledge of what forensic toxicology is, the process of testing, and methods of analysis.
4. Be able to explain what forensic odontology is, its importance to criminal investigations, bite mark analysis and how to collect bite mark evidence.
5. Discuss and explain what Forensic Anthropology is and the importance of Taphonomy.
6. Explain what Forensic Entomology is, and its role in death investigations.
7. Be able to identify evidence at a crime scene and collect and identify it and prepare it for shipping to a crime lab. This includes microscopic evidence.
8. Explain the role of photography in investigations and how to tell if a photo has been altered.
9. Demonstrate detecting, collecting, and packaging blood samples as evidence.
10. Know how to identify semen, saliva, and other body fluids at a crime scene.
11. Have an extended knowledge of DNA, what it is, its importance and accuracy.
12. Explain what tool marks are, how to collect them and how to identify striation markings.
13. Be able to explain the standards of analysis.
14. Be able to discuss the Chemistry and behavior of a fire or explosion, and locate the point of origin in theory.

**\*\*\*Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**