

Common Course Outline
CRJU 113
Criminalistics Laboratory
1 semester hour

The Community College of Baltimore County

Description

CRJU113 – 1 Credit – Criminalistics Laboratory provides students with hands-on experience in crime scene management and the processing and analyses of crime scene evidence. CRJU113 is a laboratory course to accompany CRJU112. \$20.00 lab fee

1 credit: 2 hours of laboratory time per week.

Prerequisites: ENGL 052 and RDNG 052 or ESOL 054 or ESOL 052; CRJU112 (may be taken concurrently)

Overall Course Objectives

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

1. Demonstrate knowledge of the procedures and techniques for securing crime scenes;
2. illustrate the processes used for recording crime scenes;
3. employ the various methods used for searching crime scenes;
4. demonstrate the methods for identifying, collecting and packaging evidence;
5. understand and apply techniques used in examining glass evidence;
6. explain and demonstrate techniques for developing and recovering latent fingerprint evidence;
7. differentiate fingerprint patterns and classification processes;
8. interpret the process of matching latent fingerprints against inked fingerprint impressions;
9. describe the basic principals of bloodstain pattern analysis;
10. understand the processes used in hair and fiber analyses and comparisons;
11. explain and demonstrate techniques for examining and comparing firearm evidence;
12. demonstrate methods used for recovering shoe and tire impressions;
13. describe the processes used in questioned document examination; and
14. explain and demonstrate methods of crime scene management.

Major Topics

I. Crime scene investigation

- A. Protecting integrity of
- B. Recordation
- C. Searching
- D. Releasing the crime scene

II. Physical evidence

- A. Identification
- B. Recordation
- C. Collection, preserving, packaging
- D. Chain of Custody

III. Glass Evidence

- A. Determining direction of impact
- B. Determining sequence of impacts
- C. High velocity impacts
- D. Low velocity impacts

IV. Fingerprint Evidence

- A. Rolling Inked fingerprints
 - i. Patterns determinations
 - ii. Classification
- B. Latent print development
 - i. Powder processing
 - ii. Chemical processing
- C. Examining and comparing fingerprints
 - i. Identification
 - ii. Chart presentation

V. Trace evidence

- A. Blood evidence
 - i. Blood spatter recognition
 - ii. Special handling of biological evidence
 - iii. Collection and preservation of blood evidence
 - iv. DNA tests and analyses
- B. Hair evidence
 - i. Microscopic examination
 - ii. Human hair vs. animal hair
- C. Fiber evidence
 - i. Microscopic examination
 - ii. Fiber comparison

- VI. Impression evidence
 - A. Firearm evidence
 - i. Projectile examination
 - ii. Cartridge case examination
 - B. Tool marks
 - C. Shoe and tire impressions
 - i. Casting shoe impression
 - ii. Casting tire impressions
 - iii. Comparing cast evidence

- VII. Questioned document examination
 - A. Handwriting analysis
 - B. Obtaining handwriting exemplars
 - C. Alterations, erasures, obliterations
 - D. Comparing handwriting

- VIII. Crime Scene Management
 - A. Mock crime scene investigation
 - B. Disposition of evidence

Course Requirements

Grading/Exams: Grading procedures will be determined by the individual faculty member but will include the following:

Writing assignments (note taking, lab results, etc.)
A minimum of three quizzes
Assessment of projects
Attendance and participation mandatory
Students must attend a minimum of twelve lab sessions to successfully complete this course.

Writing: The individual faculty member will determine specific writing assignments

Other Course Information

CRJU113 is a criminal justice core course. It is taught in the classroom using a variety of instructional techniques that are intended to meet the varied learning styles of our diverse student population.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

