

CJE 4641 - Advanced Crime Scene Investigations

Course Description:

A study of advanced search techniques, crime scene reconstruction, computer sketching, laser mapping, DNA evidence, trajectory, and blood spatter evidence.

Co – req. CJE4675

Course Competencies:

Competency 1: The student will analyze components of a crime scene by:

- a. defining evidence and trace evidence
- b. identifying history and theory of crime scene investigation
- c. defining and discussing Locard's Theory of Transfer

Competency 2: The student will summarize the initial crime scene investigation procedures by:

- a. describing a crime scene sketch
- b. identifying and discussing types of crime scene searches
- c. illustrating crime scene perimeter
- d. researching and reviewing procedural guidelines

Competency 3: The student will categorize evidence by:

- a. defining and discussing trace evidence
- b. defining and discussing DNA evidence
- c. defining and discussing blood spatter evidence
- d. defining and discussing trajectory evidence

Competency 4: The student will analyze the evidence collection process by:

- a. utilizing sticky side powder to detect, preserve, and enhance prints
- b. utilizing sudan black to detect, preserve, and enhance prints
- c. utilizing MoS₂ to detect, preserve, and enhance prints
- d. utilizing iodine fumers to detect, preserve, and enhance prints

Competency 5: The student will discuss crime scene terminology by:

- a. defining serology
- b. defining fracture pattern analysis
- c. outlining chain of custody
- d. exploring crime scene reconstruction

Competency 6: The student will describe the legal principles in crime scene investigation by:

- a. defining and discussing search and seizure
- b. outlining processes to secure warrants for search and seizure
- c. researching and reviewing crime scene logs
- d. identifying and discussing proper evidence markings