Miami Dade College

Course Description
CJE4650 | Advanced Crime Scene Investigations |3.00 credits
A study of advanced search techniques, crime scenes reconstruction, computer sketching, laser mapping. DNA evidence, trajectory, and blood spatter evidence.

Course Competencies:
Competency 1: The student will analyze components of a crime scene by:
1. Defining evidence and tracing evidence
2. Identifying the history and theory of crime scene investigation
3. Defining and discussing Locard's theory of transfer

Competency 2: The student will summarize the initial crime scene investigation procedures by:
1. Describing a crime scene sketch
2. Identifying and discussing types of crime scene searches
3. Illustrating crime scene perimeter
4. Researching and reviewing procedural guidelines

Competency 3: The student will categorize evidence by:
1. Defining and discussing trace evidence
2. Defining and discussing DNA evidence
3. Defining and discussing blood spatter evidence

Competency 4: The student will analyze the evidence collection process by:
1. Utilizing sticky side powder to detect, preserve, and enhance prints
2. Utilizing Sudan black to detect, preserve, and enhance prints
3. Utilizing MOS2 to detect, preserve, and enhance prints
4. Utilizing iodine fumers to detect, preserve, and enhance prints

Competency 5: The student will discuss crime scene terminology by:
1. Defining serology
2. Defining fracture pattern analysis
3. Outlining chain of custody
4. Exploring crime scene reconstruction

Competency 6: The student will describe the legal principles in crime scene investigation by:
1. Defining and discussing search and seizure
2. Outlining processes to secure warrants for search and seizure
3. Researching and reviewing crime scene logs
4. Identifying and discussing proper evidence markings

Learning Outcomes:
- Communicate effectively using listening, speaking, reading, and writing skills.
- Solve problems using critical and creative thinking and scientific reasoning.
- Use computer and emerging technologies effectively.

Updated: Fall 2025