



Course Description

CJE2672 | Fingerprint Development | 3.00 credits

This course provides a continuation of CJE2240 Basic Fingerprinting. Students will learn different methods involved in detection, enhancement, and recovery of latent fingerprints. Techniques will involve chemical and mechanical methods on substrates and evaluation for proper application in both theory and practices. Prerequisite: CJE 2671.

Course Competencies

Competency 1: The student will explore advanced techniques for the detection of latent fingerprints by:

1. Investigating various chemical methods to enhance fingerprint visibility on different substrates
2. Analyzing the effectiveness of mechanical methods in recovering latent prints from challenging surfaces
3. Evaluating the principles behind fluorescence and other optical techniques for fingerprint detection

Competency 2: The student will apply enhancement methods to improve the quality of latent fingerprints by:

1. Experimenting with different powders and chemicals to determine their suitability for various materials
2. Practicing the application of alternative light sources in the visualization of latent prints
3. Comparing the results of diverse enhancement techniques to identify best practices for specific scenarios

Competency 3: The student will assess the recovery processes of latent fingerprints through hands-on practice by:

1. Conducting practical exercises to recover fingerprints from substrates such as paper, glass, and plastic
2. Documenting the procedures and outcomes of their fingerprint recovery efforts for analysis
3. Engaging in simulations to replicate real-world scenarios requiring fingerprint recovery

Competency 4: The student will evaluate the theoretical foundations and practical applications of fingerprinting methods by:

1. Reviewing current literature on latent fingerprint analysis to understand ongoing advancements in the field
2. Participating in case studies to analyze the success of different detection and recovery techniques in actual investigations
3. Presenting findings on the effectiveness of various methods, fostering discussions on their applicability in forensic science

Learning Outcomes

- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of ethical thinking and its application to issues in society