

FSC105:FORENSIC DERMATOGLYPHICS AND IMPRESSION ANALYSIS LABORATORY

L:0 T:0 P:2 Credits:1

Course Outcomes: Through this course students should be able to

CO1 :: remember the ability to record plain and rolled fingerprint impressions and classify them using Henry's system.

CO2 :: identify and differentiate various fingerprint patterns for forensic comparison and classification.

CO3 :: apply physical development techniques such as powdering and fuming to visualize latent fingerprints on various surfaces.

CO4 :: analyze and evaluate the use of chemical reagents in latent fingerprint development under different conditions.

List of Practicals / Experiments:

Dermatoglyphics

- To record plain and rolled impressions
- Perform Henry's Classification of fingerprints
- Identification of various fingerprint patterns
- Investigate and perform physical methods of latent fingerprint development
- Investigate and perform chemical methods of latent fingerprint development

Impression Evidences

- To locate and identify the type of impression evidence
- To perform casting of footwear and tyre impression
- To analyze the lip print pattern found at crime scene
- To perform comparative analysis of bite marks
- To perform analysis of toolmark impressions

References:

1. FORENSIC SCIENCE IN CRIME INVESTIGATION by B. S NABAR, Asia Law House
2. FINGERPRINT ANALYSIS: HINTS FROM PRINTS by SUE L. HAMILTON, NA