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HOMICIDE CRIME SCENE INVESTIGATION COURSE OUTLINE:

1. Identification of Individuals: A Historic Perspective
2. The Scientific Basis for Fingerprint Identification:
 - Friction Skin: A Closer Look
 - Fingerprint Characteristics
 - Statistical Analysis
 - Friction Ridge Structure:
 - Epidermis: Galton points, Poroscopy, Edgeoscopy
3. Quality Control: Value of Inked Impressions
 - 10 Print Cards: Information and Intelligence associated with
 - Criminal History Documentation
 - Alias / Fugitive from Justice
 - Palm Impressions
 - How to take 10 Print/ Major Case Inked impressions
4. AFIS Technology and its Impact:
 - Time and Cost / Payoff and Rewards
 - Networking
 - NCIC 2000
 - FBI Latent search
 - DPS State of WV
5. Latent Prints:
 - Theory of Transfer
 - Historical Perspective
 - Body Fluids/ Chemical components exuded by friction skin
6. Patent Prints / Photography
7. Black Powder: Brushes and Alternatives
8. Tapes: Latent lift Cards/ Photography
9. Chemical Development:

- Iodine/ Ninhydrin/ Nin Analogs
- DFO/ Secondary Treatments
- Zinc/ Cadmium then Liquid Nitrogen Immersion
- Silver Nitrate on unvarnished wood surfaces

10. Cyanoacrylate:

- Tanks
- Vapor Wand
- Vapor Pump to fume entire crime scenes

11. Dye Staining Photography

12. Physical Developer

- Small Particle Reagents
- Sticky Side Tape

13. Tool Mark Recovery

14. Latent Photography 1to 1 Adaptors

15. Evaluation of recovered latent prints (Are they good enough?)

16. Understanding the Security Issues:

- Crime Scene prior to processing
- Typical trace / footprint evidence recovered from well trained departments
- DNA collection
- Latent Fingerprint processing of entire crime scene
- processing vrs. Collection

17. Staying Out of Hot water Before/During/After the Trial

18. Procedures Protocol