

Course Contents for the Training Program on Fingerprint Science and Questioned Document Examination

Day: -1

- Introduction and Fundamental principles of fingerprint science in crime investigation
- History and development of Fingerprint Science
- Anatomy and biological significance of skin, Types and importance of sweat glands
- Types of chanced prints, their collection, handling, and preservation on various surfaces

Day: -2

- Physical & chemical Methods for fingerprint development
- Latent print enhancement by Laser and other alternate light sources
- Classifications of fingerprint patterns
- Identification of ridge characteristics and comparison of fingerprints

Day: -3

- Methods for classification of fingerprints
- Collection of fingerprints from dead bodies
- Automated Fingerprint Identification system (AFIS) and recent advances in the examination and analysis of fingerprint patterns
- Introduction to white collar crimes

Day: -4

- Forgeries and its types
- Authorship identification using handwriting
- Latest tools and techniques required for document examination
- Forensic stylistics in personal identification

Day: -5

- Examination of security documents: currency notes, passports, visa, credit debit cards
- Tampering and alteration detection in document evidences
- Examination of scanned, fax and xeroxed copies

Day: -6

- Examination of typescripts
- Estimating the age of document or writing
- Determination of sequence of written strokes

Day: -7

- Forensic examination of e-documents and digital signatures
- Photography of document and fingerprint exhibits
- Report writing: juxtaposed charts, evidence in the court

Day: -8

- Principles and concepts of Forensic Accounting, types of financial frauds
- Basic concepts of money laundering, history, methods & related laws
- Visit to various CoEs of NFSU

Day: -9

- Examination of computer printouts
- Reporting financial frauds and methods for fraud detection
- Tracing Illicit Transactions, collection, preservation, examination, analysis and interpretation of electronic data relating to fraud

Day: -10

- Practical: Preparation of fingerprint slips, pattern analysis, comparison, classification, development, and lifting of fingerprints from various surfaces.
- Practical: Comparison of handwriting, examination of forged signatures, security features of a currency, passport, visa, credit and debit cards, alterations in documents, determination of sequence of strokes
- Assessment