



# GUJARAT UNIVERSITY

## Department of Forensic Science

### ADMISSION ANNOUNCEMENT

Application are invited for admission to

- (1) **Six months Certificate Courses in**
  - (A) **Criminology & Forensic Science**
  - (B) **Fingerprint & Impression Examination**
  - (C) **Questioned Document & Handwriting Examination**

#### *Eligibility for Certificate Courses*

Graduate from any discipline of this university or any other university recognized as equivalent.

**Duration** : 6 Months

**Intake Capacity** : 40 seats

**Fee structure** : Rs 15,000/- per student.

\*For further details contact E-mail:- [fsgujarat@gmail.com](mailto:fsgujarat@gmail.com)

- (2) **Three months Certificate Courses in Intellectual Property Rights Basics**

#### *Eligibility for Certificate Courses*

Graduate from any discipline with 50% atleast in respective field of this university or any other university recognized as equivalent.

**Duration** : 3 Months

**Intake Capacity** : 40 seats

**Fee structure** : Rs 5,000/- per student. Rs.10000/-(Employee)

Application form is available on payment **Rs.250/-** for **Certificate Courses** and **Rs.100/-** for **Intellectual Property Rights Basics** on working days from **11.00 a.m. to 2.00 p.m.** from Department of Chemistry, School of Sciences, Gujarat University, Ahmedabad-9. The last date for submission of form is **20<sup>th</sup> April 2011**. For further details contact **Dr. Shobhana K. Menon, Course Director, Forensic Science, Gujarat University on Tele No. 26302286.**

*I/c Registrar,  
Gujarat University*

# **CERTIFICATE COURSE IN CRIMINOLOGY AND FORENSIC SCIENCE**

## **Course Details**

### **Module I : Criminology and Penology**

Criminal Law – General Exceptions: & Explanations under the Indian Penal Code, offences against Human body and property , Organisation set-up of Criminal Courts in India, Definitions, scope and objective of Criminology., Its relationship with – Sociology, Psychology, Anthropology, Forensic Science, Penology, Law. Theories of Criminology, Penology/Correction, Punishment: Definitions theories, functions and types, Victimology.

White Collar Crimes, Scientific Investigation and penal justice system, Police Organisation at District, State and National Level. Qualities of successful investigator, First Information Report. Pros and cons of scientific investigation, Various kinds of scientific investigation, Scientific investigation and human rights, Admissibility and relevance of scientific investigation in criminal cases. Types of evidences– admissions and confessions and expert evidences.

### **Module II: Forensic Science**

Forensic. Science: Definition and scope, Meaning and historical development of Forensic science and its role in crime detection, Organisation of Forensic Science Laboratories.

Crime scene management, Fingerprints, Documents, Forensic Ballistics

Investigation in Cognizable offences: Burglary, Murder, Hit and run cases. Elementary idea of examinations and analysis of Blood, Semen, Soil, glass, paint, ink, hair. Foot prints: Types, lifting of sunken footprints, tracing of surface footprints and walking picture. Forensic psychology: Narco- analysis, Lie- detection, Brain finger printing & forensic hypnosis. Death: i) Modes. ii) Signs iii) Changes after death. Different types of wounds and their characteristics. Concept of normal and abnormal behaviour: i) Mental Mechanism and criminal behaviour ii) Mental Disorders and Mental deficiency in relation to criminal behaviour; iii) Psychopathic personality.

Poisons and narcotic drugs

## **QUESTION DOCUMENTS AND HANDWRITING EXAMINATION**

### **Module I**

Introduction to Question Documents, handwriting identification, disguised writing and anonymous letters, examination of signature- characteristics of genuine and forged signature examination of alterations, erasers, overwriting, addition and obliterations, decipherment of secret, indented and charred documents, examination of sealed impressions and other mechanical impressions, photography of questioned documents.

### **Module II**

Examination of black and white, colour Xeroxed copies, carbon copies, fax messages, various types of forgeries and their detection, various types of printing security documents, currency notes, credit cards, passport, visa, stamp papers and postal stamps, identification of type writings, Graphology, Examination of computer printout, identification of dot-matrix, ink-jet and laser printers, electronic typewriter, forensic stylistics, forensic linguistics, opinion writing and reason for opinion.

## **FINGERPRINT & IMPRESSION EXAMINATION**

### **Module I**

History and development of fingerprint, formation of ridges, pattern types, pattern areas, ridge tracing, ridge counting, taking of fingerprints and palm prints from living and dead person, post mortem fingerprinting, Preserving and lifting of fingerprints, photography of fingerprints forgery of fingerprints, comparison of fingerprints, poroscopy, edgeoscopy, AFIS, Classification of fingerprint for comparison purpose, Henry system of classification, single digit classification, extension of Henry system, search of fingerprints.

### **Module II**

Chance fingerprints, latent and visible fingerprints, plastic fingerprints, composition of sweat, development of latent fingerprints, conventional methods of developments of fingerprints, digital imaging and enhancement, Foot prints, Tool marks, Tyre marks/ Prints and skid marks, Lip print, Bite marks examination.

## **Certificate Courses in Intellectual Property Rights Basics**

- General Introduction of IPRs
- *Indian Patent System in brief*
- *Important Amendments of Indian Patents Act & Rules*
- *What is IPR?*
- IP Protection
- *Importance of IP Protection*
- *Why patent protection?*
- *Why trade marks protection?*
- *Why design protection?*
- Basic concept in patents
- Patentable and non-patentable inventions
- Patentability criteria and requirements
- Practical study of novelty and non obviousness
- Provisional, complete application and their contents and different types of patent applications (Basics)
- Claim and their interpretation
- Prosecution of patent application
- Prior art Search-1
- Prior art Search-2
- Requirement of IPRs in Pharmaceutical & Chemical industries and career development in IPR