

Anand Law College

(An Autonomous Institute, Under UGC Regulation 2023)

Managed by Shri Ramkrishna Seva Mandal SRKSM
Campus, Near Electric Grid, Anand, Gujarat

(Affiliated to S. P. University & Approved by BCI, New Delhi)

NAAC Accredited, 'B++' Grade, CGPA 2.97 - 1st Cycle

Syllabus with effect from the Academic Year 2025-26



Name of Course: LLB 3 year	Type of Course: Honors
Year : 1 st Year	Semester : 2 nd Semester
Subject Code :ALCH02ELLB2	Subject : Forensic Science
W.E.F. : 2025-26	Teaching Hours: 60 Hours

Teaching and examination scheme:

Credit	Lec	Lab	Tut	Internal Marks			External Marks		Passing Marks	Passing Marks	Total Marks
				T	P	CE	T	P	Internal	External	Int+Ext
4	4	-	1	20	-	20	60	-	16/40	24/60	40/100

Lect =Lecture, Tut=Tutorial, Lab= Lab, T-Theory, P=Practical Theory & Practical Passing%:40

Course Objectives:	<ol style="list-style-type: none"> The law students understand the basic principles of forensic science and its importance in the criminal justice system. The students familiarize about the Forensic Science Technologies as well as role and functions Forensic Science Laboratories and how they are useful in detecting the crime and criminals. The students understanding various methods of Forensic Science in detection of crimes. The students are expected to understand the constitutionality of all the methods as well as the evidential value thereof. Learn the importance of proper crime scene management, documentation, and evidence collection.
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Course Outcome (CO):

Upon completion of the course, student shall be able to

CO 1	Students will demonstrate a thorough understanding of the basic principles and concepts of forensic science, including the role it plays in criminal justice.
CO 2	To understand the role of forensic pathologists in autopsy procedures and death investigations.
CO 3	To understand how forensic science contributes to proving elements of a crime, establishing the guilt or innocence of accused individuals, and assisting in legal arguments.
CO 4	To understand how forensic science is applied within the legal framework, especially in criminal law, and its relevance to legal professionals in their practice.
CO 5	To understand the importance of adhering to professional standards and protocols to ensure the credibility and reliability of forensic work.
CO 6	To understanding of the ethical challenges and responsibilities of forensic scientists, including maintaining impartiality, objectivity, and confidentiality in investigations.

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Detailed Syllabus : Forensic Science

Total Teaching Hours: 60 Hours

Unit	Description	Weightage/ Credits /
1.	History, Scope, Need and application of Forensic Science in Crime Detection	25% (4) 15 Hours
1.1	History and scope of Forensic Science	
1.2	Need of Forensic Science in understanding modus operandi of Criminals as well as Crime Investigation and Detection	
1.3	Evidence collected through Forensic Science Techniques and Report of Forensic Expert: Evidential value there of	
1.4	Chain of Custody of Evidence	
1.5	Role of evidence under Bharitya Sakshya Adhinyam	
1.6	Standardization and accreditation of Forensic Laboratory	
1.7	Case Study 1.K.M. Nanavati v. State of Maharashtra (1959) 1 SCR 152 2 State of NCT of Delhi v. Mukesh & Ors.(Nirbhaya Rape and Murder Case (2012) 3 CBI v. Rajesh Talwar & Nupur Talwar	
1.8	Practical Application 1.Class Discussion 2. Debate on legal principle	
2.	Various general techniques of Forensic Science used in detection of crimes	25% (4) 15 Hours
2.1	Blood-Alcohol Analysis	
2.2	Ballistic Expert Report regarding use of Fire-arm or residues of fire-arms parts at the scene of offence	
2.3	Reports of Handwriting Experts (in crimes of forgery) & Finger-print experts and identification of Handwriting in questioned documents	
2.4	Digital Forensic - Cyber Forensic and Criminal Investigation - Limitation and reliability of forensic expert opinion	
2.5	Case Law 1 State of Rajasthan v. Kashi Ram (2006) 12 SCC 332 2 State of Maharashtra v. Dattaram Bhanudas Jadhav (2008) 3 SCC 13 3 State of Punjab v. Gurdip Singh (2014) 8 SCC 410 4 Mohd. Ahmed v. State of Kerala (1995) 4 SCC 74	

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2.6	Practical application 1. Court visit reflection 2. Divide Class into 3 Groups Activity	
3	Forensic Psychology Techniques, Crime Investigation and Law	25% (4) 15 Hours
3.1	Various types of Forensic Psychology Techniques used in Crime Detection:	
3.2	Judicial approach about acceptance of evidence gathered by Forensic Psychology Techniques - Life Detection Test and its procedure - Polygraph Test and its techniques - Brain Mapping Test and procedure thereof	
3.3	Concent and voluntaries in forensic psychological test - Art-21 Implication post salve Judicial decision of admissibility test	
3.4	Case Law 1. The "Kochi" Case (2003) – Polygraph Test and Judicial Scrutiny 2. Selvi v. State of Karnataka" Case (2010) 7 SCC 263 3 State of Rajasthan v. Kashi Ram" Case (2006) 12 SCC 332 4 Gajendra Singh v. State of Rajasthan (2014)	
3.5	Practical application 1. Case Study Discussion 2. Case Study Presentation	
4.	Forensic Biology and DNA Profiling	25% (4) 15 Hours
4.1	Principles of DNA - Brain Mapping Test and procedure thereof - Role of DNA in identifying victims and perpetrators - Use of DNA evidence in criminal investigations	
4.2	Forensic Pathology - Role of the forensic pathologist in determining the cause and manner of Death - Types of deaths: Natural, Accidental, Suicidal, Homicidal - Investigation of fatal injuries: blunt force, sharp force, gunshot wounds	
4.3	Forensic Psychology and Criminal Profiling - Understanding criminal behavior and psychological factors in crime - Role of forensic psychologists in assessing suspects and witnesses	
4.4	DNA Technology	
4.5	DNA Databank, Use and application of Regulation act 2019	
4.6	Reliability of DNA of Indian Court	

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4.7	Case Study 1. State of U.P. v. Ram Babu (2006) 12 SCC 396 2. K. K. Verma v. State of M.P. (2016) 3. Rajiv Gandhi Assassination Case (1991)	
4.8	Practical Application 1. National Integrity & Justice Simulation 2. Legal Drafting 3. Group Discussion	
Suggested References:		
References:		
<ul style="list-style-type: none">• Sharma B.R. Forensic Science in Criminal Investigation & Trials, Universal Law Publishing Co.• Sharma B.R. Law Relating to Handwriting Forensics, Universal Law Publishing co.• Nanda B.B. & Tiwari R.K. Forensic Science in India : A Vision for 21st Century, Select Publisher, New Delhi• Forensic Select Publications.• Dr. Veeraghavan, Handbook or Forensic Psychology• Abhijeet Sharma, Guide to DNA Test in Paternity Determination and Criminal		
Online Reference - https://www.mha.gov.in - https://www.sci.gov.in - https://bprd.nic.in - https://www.nfsu.ac.in		
