

# **Chanakya National Law University, Patna**

**Academic Session: 2022-23;**

**LL. M.**

**Semester- I**

**Course Title: Medical Jurisprudence and Forensic Science**

**Group – E : Criminal Law (Optional ) Credits :5**

## **Course Overview**

With the rising awareness about the rights of the consumer and more importantly patients and the corresponding duties of Doctors, there is a marked increase in medical lawsuit. It is not only with clinical practice but also with the computer aided technology and modern gadgetry push through their juggernaut, new treatments of patients in clinical practice have emerged in recent times. Along with the modern medical tools, there is the genesis of new crimes which need detection and forensic investigation. Human endeavour has always been to develop adequate tools to assist the State machinery in all spheres. This Course emphasizes on the knowledge of Forensic Science and Medical Jurisprudence aiding the procedural implementation of laws especially in the area of Criminal investigation.

Module one deals with introduction to medical jurisprudence.

Module two focuses on relationship of forensic medicine and the laws.

Module three deals with the role of forensic science in crime investigation.

Module four covers cyber crimes and digital forensics.

## **Learning Outcomes**

The course aims to emphasize on the knowledge of Forensic Science and Medical Jurisprudence aiding the procedural implementation of laws especially in the area of Criminal investigation. On completion of the course, students will be able to:

1. Understand fundamentals of forensics
2. Analyse characteristics of forensic investigations and analysis of crime science.
3. Critically analyse of chain of custody
4. Understand stages and characteristics of digital forensics.
5. Analyse the role of forensics in criminal justice system

Topic/ Module	Contents/ Concepts	Sessions / Lectures
<b>Module I:</b>	<p style="text-align: center;"><b>1. INTRODUCTION TO MEDICAL JURISPRUDENCE</b></p> <ol style="list-style-type: none"> <li>1. Medical Jurisprudence</li> <li>2. Legal And Ethical Aspects of Practice of Medicine               <ol style="list-style-type: none"> <li>a. Medical Ethics, Bioethics and Etiquette in Medical Research</li> <li>b. Consent – Its correlated aspects in Medical Practice &amp; medical record</li> <li>c. Rights and Privileges of Medical Practitioners</li> <li>d. Duties of Medical Practitioners</li> </ol> </li> <li>3. Medical Negligence, Euthanasia,</li> </ol>	<b>10 Lectures</b>
<b>Module II:</b>	<p style="text-align: center;"><b>II. FORENSIC MEDICINE AND THE LAWS</b></p> <ol style="list-style-type: none"> <li>1. Introduction               <ol style="list-style-type: none"> <li>a. Definition, History of Forensic Medicine, Nature &amp; Scope</li> <li>b. Types &amp; Principles Of Forensic Science</li> <li>c. Importance and probative value of Medical evidence in Crime Investigation</li> </ol> </li> <li>2. Forensic Identity</li> <li>3. Medico legal aspect of Death</li> <li>4. Sexual offences, its investigation &amp; role of forensics</li> <li>5. Forensic Psychiatry</li> </ol>	<b>33 Lectures</b>
<b>Module III:</b>	<p style="text-align: center;"><b>III. FORENSIC SCIENCE AND CRIME INVESTIGATION (10 Lectures)</b></p> <ol style="list-style-type: none"> <li>1. Questioned Document and Their Identification</li> <li>2. Forensic Ballistics and vehicular accident reconstruction</li> <li>3. Chemical and Toxicological Analysis</li> </ol>	<b>10 Lectures</b>

<b>Module IV:</b>	<b>IV. CYBER CRIMES AND DIGITAL FORENSICS</b>  1. Cyber Space and Cyber Security 2. Cyber Crime and its investigation 3. Digital Forensic 4. Digital Evidence and its admissibility in the court of law	<b>12 Lectures</b>
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### Recommended/Reference Text Books and Resources:

#### Text Books /References

1. Medical Law by Prof (Dr) G P Tripathi and Prof (Dr) Ajay Kumar, 2020, Indian Books and Periodicals.
2. An Introduction to Health Law by Dr. Jyoti Bhakare
3. Compute Crime and Computer Forensic by Dr. R.K. Tiwari
4. Criminal Profiling: An Introduction to a Behavioural Evidence Analysis, 3rd edn. By Brent E. Turvey
5. Criminalistics: An Introduction to Forensic Science, 9th ed. by Richard Saferstein
6. Forensic Science in Criminal Investigation and Trial, 4th edn. By B.R. Sharma
7. Forensic Science: An Introduction to Scientific and Investigative Techniques 3rd ed. by Stuart James
8. Handbook of Forensic Psychology Dr. Veerraghavan
9. Medical Jurisprudence and Toxicology (Modi), 26th ed. by K Kannan
10. Medical Jurisprudence and Toxicology, 11th edn. Prof. T.D.Dogra and Lt. Col. Abhijit Rudra
11. Medical Law by Bindumol VC, Allahabad Law Agency
12. Medicine and Law by K Kannan, 2014. Oxford Publication.
13. The Essentials of Forensic Medicine and Toxicology - 34th Edition by KSN Reddy and OP Murty

#### Web Resources

<https://medicopublication.com/index.php/ijfmt>  
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=eCJfy23Kjy3c0vICLa6VYg==>  
<https://www.forensicsciencesimplified.org/>

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