



**NATIONAL LAW UNIVERSITY AND JUDICIAL ACADEMY, ASSAM**

**PROGRAMME: B.A. L.L.B. (Hons.) FYIC**

**DETAILS OF COURSE OFFERED**

**ODD SEMESTER (IX) – ACADEMIC YEAR .....**

<b>SL. No</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CR</b>	<b>CH</b>
<b>1</b>	<b>BL904.10 IPR, OP VI</b>	<b>LIFE PATENT, IPR IN BIOTECH &amp; PHARMA</b>	<b>SEMINAR PAPER + MOOT</b>	<b>1</b>	<b>-</b>	<b>4</b>	<b>4 CLASSES PER WEEK</b>

- A. CODE AND TITLE OF THE COURSE: BL 903.10 OP II, LIFE PATENT, IPR IN BIOTECH & PHARMA**
- B. COURSE CREDIT: 4 (TOTAL MARKS 200)**
- C. MEDIUM OF INSTRUCTION: ENGLISH**
- D. COURSE COMPILED BY: DR. THYWILL SUSNGI, GUEST FACULTY OF LAW, IPR.**
- E. COURSE INSTRUCTOR:**

## **1. COURSE OBJECTIVES**

The main objective of the course are as follows:

- To develop the comprehensive understanding of Intellectual Property Rights related to biotechnology and pharmaceutical industries.
- To develop strategic approaches to patent portfolio management.
- To examine and navigate the complex landscape of innovation, protection and commercialization of biotechnology and pharmaceutical sectors.

## **2. TEACHING METHODOLOGY**

- Lecture-cum-discussion method.
- Interactive classroom teaching with the aid of practical approach for value-based learning.
- Article based discussion
- Case study and analysis of landmark and latest case laws.
- Debate oriented and negotiation rounds on critical issues.

## **3. COURSE LEARNING OUTCOMES**

By the end of the course, the students will:

- Have a comprehensive understanding of intellectual property rights and their application in the biotechnology and pharmaceutical industries.
- Be able to navigate the patent prosecution process, from filing to enforcement.
- Analyse and interpret landmark patent cases within the context of biotech and pharma.
- Gain insights into global IPR systems and their impact on innovation and commercialization.
- Grasp the ethical considerations surrounding IPR in biotech and pharma, particularly concerning access to healthcare and the patenting of life forms.

## **4. COURSE EVALUATION METHOD**

The course shall be assessed for 200 marks. The Evaluation scheme would be as follows:

Sl. No.	Marks Distribution	
1	Seminar Paper	60 marks
2	Seminar Paper presentation	30 marks
3	Moot Memorial	50 marks
4	Moot Oral	50 marks
5	Attendance in class	10 marks
	Total	200 marks

## **5. DETAILED STRUCTURE OF THE COURSE (SPECIFYING COURSE MODULES AND SUB-MODULES)**

### **MODULE I: Introduction to Life Patent**

- 1.1 Overview of Life patent and IPR fundamentals.
- 1.2 Historical context and Development.
- 1.3 Types of Life Patents.
- 1.4 Understanding the patents and criteria for patentability.
- 1.5 Case studies in Life Patent.

### **MODULE II: Patent Strategies in Biotechnology**

- 2.1 Conceptual framework of Intellectual Property Rights in Biotech and Pharma
- 2.2 Patentability of Biotechnology
- 2.3 Human Gene Patenting
- 2.4 Patent landscaping and competitive analysis
- 2.5 Case Studies in Biotech Patents.

### **MODULE III: Patent Protection and Pharmaceuticals**

- 3.1 Overview of Patents and their importance in Pharmaceuticals Industries.
- 3.2 Patentability of Pharmaceuticals Inventions.
- 3.3 Patent Prosecution Process.
- 3.4 Compulsory Licences.
- 3.5 Patent Infringement litigation in Pharmaceuticals Industry.
- 3.6 Access to Medicines and Role of Patent.

## **MODULE IV: Social and Ethical Implications**

- 4.1 Balancing innovation with Public health interests.
- 4.2 Ethical implications of patenting life forms.
- 4.3 challenges and opportunities in global markets
- 4.4 Patenting on Biotechnology inventions and ethical implications.

## **6. PRESCRIBED READINGS**

*Students are advised to go through the recent editions of the recommended books*

1. Law relating to Intellectual Property Rights by V.K. Ahuja.
2. Intellectual Property Law and Practise by Elizabeth Verkey.
3. Intellectual Property Law by P. Narayanan.
4. Law relating to Intellectual Property Rights by M.K. Bhandari.
5. The Law of Patents- with a special Focus on Pharmaceuticlas in India, by Feroz Ali Khader.
6. Biotechnology and Intellectual Property Rights Legal and Social Implications, by Kshitij Singh.
7. Intellectual Property Rights Contemporary Developments, Editors by Prof. (Dr.) V.K. Ahuja and Dr. Archa Vashishtha.
8. Life Patent Law, By Dr. S.R. Myneni.
9. Patents on Life: Religious, Moral, and Social Justice Aspects of Biotechnology and Intellectual Property by Thomas C. Berg, Roman Cholij, and Simon Ravenscroft.