

# **Alternative Course to MOOC**

**Course Title: Intellectual Property Rights**

**M.Sc. (LIFE SCIENCES)**

**(2023)**



**SCHOOL OF LIFE SCIENCES  
SAMBALPUR UNIVERSITY  
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SAMBALPUR, ORISSA**

## M.Sc. LIFE SCIENCES & MICROBIOLOGY

<b>Course Title</b>	<b>Intellectual Property Rights</b>
<b>Credit Hours</b>	<b>3 CH</b>
<b>Marks</b>	<b>100</b>
<b>Semester</b>	<b>IV</b>

### **OBJECTIVE**

This paper contains *three* units about **Intellectual Property Rights**. The main objective of introducing IPR alternative course to MSc students is to create knowledge about the protection of scientific innovations. This introductory course on different aspects on IPR may serve as a reference to the passing out post graduate students to further pursue a career in IPR which has the scope as IP consultants, IP managers, Patent officers both in public and private sectors.

**PROGRAMME EDUCATION OBJECTIVES (PEOs):** After studying Intellectual Property Rights in the curriculum, students will be able to:

- PEO1. Understand the nature and basic concepts of Intellectual Property Rights relating to M.Sc. degree in Life Sciences and Microbiology
- PEO2. Analyze the relationships among different concepts of Intellectual Property Rights.
- PEO3. Perform procedures as laid down in the areas of study.
- PEO4. Apply the basic concepts learned to execute them.

**COURSE OUTCOMES (COs):** After studying Intellectual Property Rights in the curriculum, students will be able to:

- CO1. Remember and understand the basic concepts of Intellectual Property Rights.
- CO2. Analyze the various concepts to understand them through case studies.
- CO3. Apply the knowledge in understanding practical problems.
- CO4. Execute/create the projects or field assignment as per the knowledge gained in the course curriculum.

### **COURSE SYLLABUS**



### **Unit-I:**

Introduction: Meaning, history and origin of IPR. **Types of IPR:** Copy right, Trademark, Industrial design, geographical indications (GI) and Patents. Patentability, Process and Product Patent, filing of Patent, Patent Specification, Patent Claims, Patent opposition and revocation, infringement. Traditional knowledge: meaning and rights of traditional knowledge holders.

### **Unit-II:**

**International IP regime:** Brief introduction to GATT (General Agreement on Tariffs and Trade); WTO (World Trade Organization). **World Intellectual Property Organization (WIPO):** Budapest treaty; Hague agreement; Libson agreement; Madrid protocol; Patent Cooperation Treaty (1970); Berne convention and Paris Convention. Trade Related Aspects of Intellectual Property Rights (TRIPS); UPOV (International Union for the Protection of New Varieties of Plants). International treaty on plant genetic resources for food and agriculture (ITPGRFA).

### **Unit-III:**

**Legislations covering IP regime in India:** Trade Marks Act, 1999; TradeMarks (Amendment) Act, 2010; Indian Copyright Act 1957; Designs Act, 2000; Geographical indications of goods (Registration and protection) Act, 1999; Protection of Plant varieties and Farmers' Rights Act, 2001; The Patents Act, 1970; Biological Diversity Act, 2002 and The Biological Diversity (Amendment) Act, 2023.

### **Reference Books**

Kankanala, Kalyan C., Indian Patent Law and Practice, (2010), India, Oxford University Press

Arora, Manish, Guide to Trademarks, (2007) 2nd ed., Delhi, Universal

Cornish, William Intellectual Property: Patents, Copyright, Trademarks and allied rights, (2010) 7<sup>th</sup> ed., London Sweet & Maxwell.

Neeraj Pandey and Kushdeep Dharni.2014. Intellectual property Rights. PHI Learning Pvt. Ltd., New Delhi.

### **Websites**

<https://www.wipo.int/portal/en/index.html>

[https://www.wto.org/english/tratop\\_e/trips\\_e/trips\\_e.htm](https://www.wto.org/english/tratop_e/trips_e/trips_e.htm)

<https://ipindia.gov.in>

<https://iprsearch.ipindia.gov.in/publicsearch>