



BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, Pilani
Pilani Campus

INSTRUCTION DIVISION
SECOND SEMESTER 2015-2016
Course Handout (Part II)

Date: 05/01/2016

In addition to part-I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course No. : PHA G545
Course Title : IPR AND PHARMACEUTICALS

Instructor-in-charge : **SUNIL KUMAR DUBEY**

1. Scope & Objective of the Course: This course considers key aspects of intellectual property law. It covers Indian legal system & its role in IPR. The course describes concept of property with respect to intellectual creativity. Attention will also be paid to emerging debates, policy issues and law reforms related to IPR with respect to pharmaceuticals. Issues of Intellectual Property such as Patents, Copyright, Trademarks, and Design will be brought up on the course, as well as rules and regulations of marketing and competition will be discussed. Patent processing, the acts which amount to infringement of patents, ethics and economic issues related to IPR will be discussed. The overall objective of this course is to equip students and stakeholders with knowledge of Intellectual Property Rights (IPR) related protection systems, their significance and use of IPR as a tool for wealth and value creation in a knowledge-based economy.

2. Text Book:

- i. Principles of Intellectual Property Law, By Catherine Colston, University of Buckingham.
- ii. Feroz Ali Khader, The Law of Patents – with a special Focus on Pharmaceuticals in India, LexisNexis Butterworths Wadhwa, Nagpur

3. Ref. Book: The students should refer to the following books & literatures for further knowledge.

- i. N.S. Gopalakrishnan & T.G. Agitha, Principles of Intellectual Property (2009), Eastern Book Company, Lucknow
- ii. W.R. Cornish, Intellectual Property, Sweet & Maxwell, London(2000)
- iii. Class notes and study material provided



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Lecture No	Learning objective	Topics to be covered	Reference Chap/Sec
1	Scope, Objectives & IPR in pharmacy	Introduction	2(i) ch 1
2-3	The Pharmaceutical Business	Understanding the pharmaceutical markets	3 (iii)
4	Pharmaceutical Research and Development	Research and development	3 (iii)
5-6	Indian legal system & its role in IPR	Rules and regulations	3 (iii)
7-8	Concept of property with respect to intellectual creativity	Tangible & Intangible property	3 (iii)
9-13	Copyrights, trade mark, geographical Indications	Types of IPR	2(i) ch 2
14-15	Scope & nature of patents	Patents	2(i) ch 3
16-25	Patent and its Practical aspects	Patenting in India & abroad, role of international organization WTO, WIPO in patent act	2(i) ch 3 & 3 (iii)
26-30	Patent Filing	Patent filing, components of a patent application in India, PCT filing	2(i) ch 3 & 3 (iii)
31-32	Patent Infringement	Patent infringement, acts & litigation	2(i) ch 5
33-34	Compulsory Licensing	Grant of compulsory licenses	3 (iii)
35-36	Ethics in IPR	Positive & negative aspects drug related controversies	3 (iii)



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37-38	Economic Issues in IPR	Economic benefits of IP Protection	3 (iii)
39	Technology Advances and IPR	Protection of databases	3 (iii)
40	IP Issues in Developing Countries	Understanding the concerns of the developing world regarding modern IPR regime.	3 (iii)

4. Course Plan :

5. Evaluation Scheme:

Component	Duration	Weightage (%)	Date & Time	Venue	Remarks
Test	90 mts.	30	18/3 4:00-5:30 PM		CB/OB
Continuous Assessment comprising (Surprise Quiz, Seminar / Assignment)	-	35			CB/OB
Compre Exam	3 hrs.	35	13/5 AN		CB/OB

6. Make-up Policy:

The facility of make-up test is meant to take care of 'Unavoidable' absence from scheduled tests. It is expected that the students will "keep faith" in this respect and avoid any misuse of this useful feature. There will be no insistence on "certificate" but all decisions to give or not to give make-up tests would be based on mutual faith and trust.

7. Chamber Consultation Hour: To be announced in the class

8. Notices: Notices, if any, concerning the course will be displayed on the Notice Board of Pharmacy Group Only

**Instructor In-Charge
PHAG545**



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