

Syllabus Structure - M. Pharm Syllabus

Department of Pharmaceutical Sciences and Technology for the M. Pharm Course

Branch – Medicinal Natural Products

Semester I

No.		Course code	Subjects	Hours/ week (L+T)	Marks	Credits
1	Core I	PYT 2106	Physical Methods of Analysis	2+1	50	3
2	Core II	PHT 2301	Pharmacognosy and Phytochemistry	2+1	50	3
3	Core III	PHT 2302	Pharmacology, Toxicology and Therapeutics	2+1	50	3
4	Elective I			2+1	50	3
5	Elective II			2+1	50	3
6	Project I	PHP 2501	Critical Review of One Research Publication	2+1	50	3
7	Project II	PHP 2502	Seminar	2+1	50	3
			TOTAL	14 + 7	350	21

Semester II

No.		Course code	Subjects	Hours/ week (L+T)	Marks	Credits
1	Core I	PHT 2101	Research Methodology	2+1	50	3
2	Core II	PHT 2303	Topics in Pharmacology	2+1	50	3
3	Core III	PHT 2304	Advanced Pharmacognosy and Phytochemistry	2+1	50	3
4	Core IV	PHT 2106	Models for Drug Delivery Systems Evaluation	2+1	50	3
5	Elective I			2+1	50	3
6	Elective II			2+1	50	3
7	Project III	PHP 2503	Literature Review of the proposed research topic	2+1	50	3
			TOTAL	14 + 7	350	21

Semester III

Laboratory project work on the title of the thesis registered for the degree of M. Pharm

Semester IV

Laboratory project work on the title of the thesis registered for the degree of M. Pharm.
..... Cont.

Total credits **21 (Sem I) + 21 (Sem II) = 42**

List of Electives

1. PHT 2001-Biopharmaceutics and Pharmacokinetics
2. PHT 2002-Intellectual Property Rights and Patent Filing
3. PHT 2003-Advanced Biochemistry
4. PHT 2004-Drug Metabolism
5. PHT 2005-Molecular Biology
6. PHT 2006-Clinical Pharmacy
7. PHT 2007-Packing Technology
8. PHT 2008-Therapeutic Drug Monitoring
9. PHT 2009-Bulk Drug Technology and Process Chemistry
10. PHT 2010-Investigational Drug and Clinical Research
11. PHT 2011-Advance in receptor Pharmacology
12. PHT 2012-Medicinal Natural Products
13. PHT 2013-Advanced Pharmacology
14. PHT 2014-Chiral Synthesis
15. PHT 2015-Design of Enzyme Inhibitors
16. PHT 2016-Quality assurance and Validation
17. PHT 2104- Advanced Instrumental techniques for Material Characterization

Core subject of one branch can be offered as elective subjects for students of other branches.