

Baddi University of Emerging Sciences & Technology
Institute of Pharmacy & Emerging Sciences
B. Pharmacy
Course Structure

Semester-I

Course code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-101	Dispensing, Hospital and Community Pharmacy-I	3	3	4.5
UPH-102	Pharmaceutical Chemistry	3	3	4.5
UPH-103	Human Anatomy, Physiology & Health Education-I	3	3	4.5
UPH-104	Pharmacognosy-I (Introduction to Pharmacognosy)	3	3	4.5
UPH-105	Fundamentals of Computer Applications in Pharmacy	3	3	4.5
UPH-106	Basic Mathematics	4	–	4
	Total	19	15	26.5

Total Lectures per week = 19
Total Practicals per week = 15
Total credits in this semester = 26.5

Semester-II

Course code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-107	Pharmaceutics-I (Pharmaceutical Engineering Drawing & Unit Operations-I)	3	3	4.5
UPH-108	Inorganic & Nuclear Medicinal Chemistry	3	3	4.5
UPH-109	Human Anatomy, Physiology & Health Education-II	3	3	4.5
UPH-110	Pharmacognosy-I (Analytical Pharmacognosy & Quality Control of Drugs of Natural Origin (DONO))	3	3	4.5
UPH-111	Physical Pharmaceutics	3	3	4.5
UPH-112	Advanced Mathematics	3	-	3
	Total	18	15	25.5

Total Lectures per week = 18

Total Practicals per week = 15

Total credits in this semester = 25.5

Semester-III

Course Code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-201	Pharmaceuticals-II (Unit Operations-II)	3	3	4.5
UPH-202	Hospital and Community Pharmacy-I	3	–	3
UPH-203	Organic Chemistry-I	3	3	4.5
UPH-204	Pharmaceutical Analysis-I	3	3	4.5
UPH-205	Pathophysiology-I (Pathophysiology of Common Diseases)	3	–	3
UPH-206	Pharmacognosy-III	3	3	4.5
	Total	18	12	24

Total Lectures per week = 18

Total Practicals per week = 12

Total credits in this semester = 24

Semester-IV

Course Code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-207	Pharmaceutics-III (Unit Operations-III)	3	3	4.5
UPH-208	Pharmaceutical Jurisprudence and Ethics	3	–	3
UPH-209	Organic Chemistry-II	3	3	4.5
UPH-210	Pharmaceutical Analysis-II	3	3	4.5
UPH-211	Pathophysiology-II	3	–	3
UPH-212	Pharmacognosy-IV	3	3	4.5
	Total	18	12	24

Total Lectures per week = 18
Total Practicals per week = 12
Total credits in this semester = 24

Semester-V

Course Code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-301	Pharmaceutical Microbiology	3	3	4.5
UPH-302	Pharmaceutical Technology-I (liquid, semisolid & solid dosage forms)	3	3	4.5
UPH-303	Medicinal Chemistry-I	3	3	4.5
UPH-304	Pharmaceutical Biochemistry	3	3	4.5
UPH-305	Pharmacology-II (Drugs acting on CNS, GIT & Endocrine System)	4	3	5.5
	Total	16	15	23.5

Total Lectures per week = 16
Total Practicals per week = 15
Total credits in this semester = 23.5

Semester-VI

Course Code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-306	Pharmaceutical Biotechnology	3	-	3
UPH-307	Pharmaceutical Technology-II (sterile preparations, Aerosols & Cosmetic))	3	3	4.5
UPH-308	Medicinal Chemistry-II	3	3	4.5
UPH-309	Chemistry of Natural Products and Heterocyclics	3	-	3
UPH-310	Pharmacology-II (Drugs acting on CVS, Chemotherapy of Diseases and Toxicology)	4	3	5.5
UPH-311	Pharmacognosy-V	3	3	4.5
	Total	19	12	25

Total Lectures per week = 19
Total Practicals per week = 12
Total credits in this semester = 25

Semester-VII

Course code	Course Name	Teaching Scheme		
		Hours / Week		
		Lect.	Pract.	Credits
UPH-401	Formulation, Design & Development	3	3	4.5
UPH-402	Biopharmaceutics & Pharmacokinetics	3	3	4.5
UPH-403	Medicinal Chemistry – III	3	3	4.5
UPH-404	Pharmaceutical Analysis – III	3	3	4.5
UPH-405	Pharmacognosy-VI	3	3	4.5
UPH-406	Pharmacology-III	4	3	5.5
	Total	19	18	28

Total Lectures per week = 19
Total Practicals per week = 18
Total credits in this semester = 28

Semester-VIII

Course Code	Course Name	Teaching Scheme		
		Hours /Week		
		Lect.	Pract.	Credits
UPH-407	Novel Drug Delivery Systems	3	3	4.5
UPH-408	Medicinal Chemistry – IV (Molecular Modelling & Drug Design)	3	3	4.5
UPH-409	Pharmaceutical Analysis & Quality Assurance	3	3	4.5
UPH-410	Pharmacognosy-VI	3	3	4.5
UPH-411	Pharmaceutical Economics & Industrial Management	3	–	3
UPH-412	Clinical Pharmacology	4	3	5.5
	Total	19	15	26.5

Total Lectures per week = 19
Total Practicals per week = 15
Total credits in this semester = 26.5