

Pharmacy Department
BPharm Study Plan AY 2024-2025

Effective from AY 2024-2025		Bachelor of Pharmacy-Study Plan		Total Credits = 167.00		
Year 1 - Semester 1						Total=14.00
Course	Code	Course Title	Credit Hrs	Contact Hrs	Prerequisite	Corequisite
PHB	100	Chemistry	3.00	3.00		
PHB	112	Biology	2.00	2.00		
GEC	102	UAE Studies	3.00	3.00		
PHB	104	Anatomy and Physiology 1	3.00	4.00		
PHB	110	Pharm Organic Chemistry 1	3.00	4.00		
Year 1 - Semester 2						Total=15.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	105	Anatomy and Physiology 2	2.00	3.00	PHB104	
PHB	113	Principles of Pharmacology	2.00	3.00	PHB104	
PHB	114	Biochemistry	3.00	3.00	PHB100	
GEC	103	English	3.00	3.00		
PHB	111	Pharm Organic Chemistry 2	3.00	3.00	PHB110	
PHB	120	Introduction to Pharmacy & Law	2.00	2.00		
Year 1 - Semester 3						Total=0.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
Year 2 - Semester 1						Total=16.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	214	Pharmacology 1	4.00	4.00	PHB113	
PHB	211	Medicinal Chemistry 1	3.00	4.00	PHB111	
PHB	216	Physical Pharmaceutics & Solution Formulations	3.00	4.00	PHB111	
GEC	106	Interpersonal Skills (Skills Hub)	3.00	3.00		
GEC	104	Health and Well-being	3.00	3.00		
Year 2 - Semester 2						Total=15.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	215	Pharmacology 2	3.00	3.00	PHB214	
PHB	212	Medicinal Chemistry 2	3.00	4.00	PHB211	
PHB	217	Microbiology & Immunology	3.00	4.00	PHB114	
PHB	218	Pharmaceutical Manufacturing &Technology	3.00	4.00	PHB216	
PHB	222	Pharmaceutical Care	3.00	4.00	PHB120	
Year 2 - Semester 3						Total=6.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	223	IPPE 1	3.00	9.00	PHB222	PHB224
PHB	224	IPPE 2	3.00	9.00		PHB223
Year 3 - Semester 1						Total=15.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	321	Pharmacotherapy 1	3.00	4.00	PHB215	
PHB	318	Biopharmaceutical &Sterile Formulations	3.00	4.00	PHB217 & PHB218	
PHB	315	Pharmaceutical Analysis	3.00	4.00	PHB211	
PHB	323	Evidence-Based Medicine	3.00	4.00		PHB324
PHB	324	Institutional Pharmacy Practice	3.00	4.00	PHB222	PHB323
Year 3 - Semester 2						Total=16.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	322	Pharmacotherapy 2	3.00	4.00	PHB321	
PHB	319	Biopharmaceutics & Pharmacokinetics	3.00	4.00	PHB318	

PHB	325	Non-RX Pharmacotherapy	3.00	4.00	PHB323	
PHB	327	Public Health & Vaccination	3.00	4.00	PHB217	
PHB	320	Pharmaceutical Calculations	2.00	2.00	PHB324	
PHB	328	Clinical Toxicology	2.00	2.00	PHB321	
Year 3 - Semester 3						Total=3.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	326	IPPE 3	3.00	9.00	PHB324	
Year 4 - Semester 1						Total=17.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	423	Pharmacotherapy 3	3.00	4.00	PHB322	
PHB	420	Pharmacoepidemiology & Pharmacovigilance	3.00	3.00	PHB328	PHB411
PHB	422	Pharm Management & Economics	3.00	4.00	PHB320	
PHB	410	Advanced Drug Delivery & Development	2.00	2.00	PHB319	
PHB	411	Research Proposal	3.00	4.00		PHB420
GEC	105	Technology and AI in Healthcare	3.00	3.00		
Year 4 - Semester 2						Total=15.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB	424	Pharmacotherapy 4	3.00	4.00	PHB423	
PHB	425	Pharmacogenomics & Precision Medicine	3.00	3.00	PHB328	
PHB	421	Digital Pharmacy & Informatics	3.00	4.00	GEC105	
PHB	427	Phytotherapy	3.00	4.00	PHB325	
PHB	412	Medical Biostatistics	3.00	4.00	PHB411	
Year 4 - Semester 3						Total=6.00
Course	Code	Course Title	Credits	Contact	Prerequisite	Corequisite
PHB-ELE1		*IPPE 4 Elective	3.00	9.00	PHB420	
PHB	413	PIE	3.00	9.00	PHB410	
Year 5 - Semester 1						Total=13.00
Course	Code	Course Title	Credits		Prerequisite	Corequisite
PHB	526	Pharmacotherapy 5	3.00	4.00	PHB424	
GEC	101	Innovation, Entrepreneurship and Sustainability	3.00	3.00		
PHB	520	Clinical Pharmacokinetics	2.00	3.00	PHB319	PHB521
PHB	513	Graduation Research Project	3.00	4.00	PHB411	
PHB-ELE2		Pharmacy Elective	2.00	2.00		
Year 5 - Semester 2						Total=16.00
Course	Code	Course Title	Credits		Prerequisite	Corequisite
PHB	531	APPE1 Internal Medicine	4.00	12.00	PHB326	PHB532
PHB	532	APPE2 Surgery	4.00	12.00		PHB531
PHB	533	APPE3 Ambulatory Care	4.00	12.00		PHB534
PHB	534	APPE4 Critical Care	4.00	12.00		PHB533
		Basic Life Support	0.00			

Pharmacy Electives: Students must study 1 of these courses before graduation			Pharmacy Electives *IPPE4: Students must study 1 of these placements before graduation		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
PHB711	Cosmetic & Cosmeceutical Formulations	2.00	PHB723	IPPE4 Academics & Education	3.00
PHB714	AI Assisted Drug Discovery	2.00	PHB724	IPPE4 Dig Health & Automation	3.00
PHB721	Complementary & Altern Medicine	2.00	PHB725	IPPE4 Pharmaceutical Marketing	3.00
PHB722	Clinical Nutrition	2.00	PHB726	IPPE4 Pharmacovigilance & RA	3.00
PHB729	Clinical Trial Management	2.00	PHB727	IPPE4 Drug discovery	3.00
PHB701	Pharmaceutical Biotechnology	2.00	PHB728	IPPE4 Forensic Medicine & Toxicology	3.00

IPPE = Introductory Pharmacy Practice Experience

APPE = Advanced Pharmacy Practice Experience

PIE = Pharmaceutical Industry Experience

1 Credit Hr/week = 1 Contact Hrs/week in Theoretical components

1 Credit Hr/week = 2 Contact Hrs/week in Laboratory components

1 Credit Hr/week = 40 Contact Hrs/week in Placement components