

Scheme of Courses for Pharm.D. (Five-Year Course):

1st Professional Pharm.D.

1 st Semester			2 nd Semester		
Course No.	Subject	Cr. Hr.	Course No.	Subject	Cr. Hr.
ENG 300	English-A (Functional English)	2	ENG 301	English-B (Communication & Writing skills)	4
PHARM 310	Pharmaceutics-IA (Physical Pharmacy)	3+1	PHARM 315	Pharmaceutics-IB (Physical Pharmacy)	3+1
PHARM 311	Pharmaceutical Chemistry-IA (Organic)	3+1	PHARM 316	Pharmaceutical Chemistry-IB (Organic)	3+1
PHARM 312	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1	PHARM 317	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PHARM 313	Physiology-A	3+1	PHARM 318	Physiology-B	3+1
PHARM 314	Anatomy & Histology	3+1			
Total Cr. Hr. 22			Total Cr. Hr. 20		

2nd Professional Pharm.D.

1 st Semester			2 nd Semester		
Course No.	Subject	Cr. Hr.	Course No.	Subject	Cr. Hr.
IS 402	Islamic Studies	3	PS 403	Pakistan Studies	2
PHARM 410	Pharmaceutics-IIA (Dosage Form Science)	3+1	PHARM 415	Pharmaceutics-IIB (Dosage Form Science)	3+1
PHARM 411	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)			Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	
	Pharmacology and Therapeutics-IA	3+1	PHARM 416	Pharmacology and Therapeutics-IB	3+1
PHARM 412	Pharmacognosy-IA (Basic)	3+1	PHARM 417	Pharmacognosy-IB (Basic)	3+1
PHARM 413	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3+1	PHARM 418	Pharmacy Practice-IB (Bio-statistics)	3+1
PHARM 414		3	PHARM 419		3
Total Cr. Hr. 22			Total Cr. Hr. 21		

3rd Professional Pharm.D.

1 st Semester			2 nd Semester		
Course No.	Subject	Cr. Hr.	Course No.	Subject	Cr. Hr.
PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1	PHARM 515	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
PHARM 511	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	3+1	PHARM 516	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PHARM 512	Pharmacology and Therapeutics-IIA	3+1	PHARM 517	Pharmacology and Therapeutics-IIB	3+1
PHARM 513	Pharmacognosy-IIA (Advanced)	3+1	PHARM 518	Pharmacognosy-IIB (Advanced)	3+1
PHARM 514	Pathology	3+1	PHARM 519	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1
Total Cr. Hr. 20			Total Cr. Hr. 19		

4th Professional Pharm.D.

1 st Semester			2 nd Semester		
Course No.	Subject	Cr. Hr.	Course No.	Subject	Cr. Hr.
PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy)	3	PHARM 615	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PHARM 611	Pharmacy Practice-VA (Clinical Pharmacy)	3+1	PHARM 616	Pharmacy Practice-VB (Clinical Pharmacy)	3+1
PHARM 612	Pharmaceutics-IVA (Industrial Pharmacy)	3+1	PHARM 617	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PHARM 613	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1	PHARM 618	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM 614	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1	PHARM 619	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1
Total Cr. Hr. 19			Total Cr. Hr. 19		

5th (Final) Professional Pharm. D.

1st Semester			2 nd Semester		
Course No.	Subject	Cr. Hr.	Course No.	Subject	Cr. Hr.
PHARM 710	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1	PHARM 715	Pharmaceutics- VIIB (Pharmaceutical Technology)	3+1
PHARM 711	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	3+1	PHARM 716	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PHARM 712	Pharmacy Practice-VIIA (Forensic Pharmacy)	3	PHARM 717	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PHARM 713	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3	PHARM 718	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PHARM 714	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	3+1	PHARM 719	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1
Total Cr. Hr. 18			Total Cr. Hr. 18		