

## Roadmap for PharmD Program

### 1<sup>st</sup> Professional PharmD

1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
Course Code	Title of Course	Cr. hr	Course Code	Title of Course	Cr. hr
PHRM 101	English-A (Functional English)	3	PHRM 102	English-B (Communication & Writing skills)	3
PHRM 110	Pharmaceutics-IA (Physical Pharmacy)	4	PHRM 115	Pharmaceutics-IB (Physical Pharmacy)	4
PHRM 111	Pharmaceutical Chemistry-IA (Organic)	4	PHRM 116	Pharmaceutical Chemistry-IB (Organic)	4
PHRM 112	Pharmaceutical Chemistry-IIA (Biochemistry)	4	PHRM 117	Pharmaceutical Chemistry-IIB (Biochemistry)	4
PHRM 113	Physiology-A	4	PHRM 118	Physiology-B	4
PHRM 114	Anatomy & Histology	4	UNIV 100	Foundations of University Education	3
			PHRM 103	Communicative Urdu	3
<b>Total Credits: 23</b>			<b>Total Credits: 25</b>		

### 2<sup>nd</sup> Professional PharmD

1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
Course Code	Title of Course	Cr. hr	Course Code	Subject	Cr. hr
PHRM 104/ PHRM 105	Islamic Studies / Christian Studies	3	PHRM 106	Pakistan Studies	3
PHRM 210	Pharmaceutics-IIA (Dosage Form Science)	4	PHRM 215	Pharmaceutics-IIB (Dosage Form Science)	4
PHRM 211	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	4	PHRM 216	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	4
PHRM 212	Pharmacology and Therapeutics-IA	4	PHRM 217	Pharmacology and Therapeutics-IB	4
PHRM 213	Pharmacognosy-IA (Basic)	4	PHRM 218	Pharmacognosy-IB (Basic)	4
PHRM 214	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3	PHRM 219	Pharmacy Practice-IB (Bio-statistics)	3
<b>Total Credits: 22</b>			<b>Total Credits: 22</b>		

**3<sup>rd</sup> Professional PharmD**

1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
Course Code	Title of Course	Cr. hr	Course Code	Subject	Cr. hr
PHRM 310	Pharmacy Practice-IIA (Dispensing Pharmacy)	4	PHRM 315	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	4
PHRM 311	Pharmaceutical Chemistry-III A (Pharmaceutical Analysis)	4	PHRM 316	Pharmaceutical Chemistry-III B (Pharmaceutical Analysis)	4
PHRM 312	Pharmacology and Therapeutics-IIA	4	PHRM 317	Pharmacology and Therapeutics-IIB	4
PHRM 313	Pharmacognosy-IIA (Advanced)	4	PHRM 318	Pharmacognosy-IIB (Advanced)	4
PHRM 314	Pathology	4	PHRM 319	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	4
<b>Total Credits: 20</b>			<b>Total Credits: 20</b>		

**4<sup>th</sup> Professional PharmD**

1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
Course Code	Title of Course	Cr. hr	Course Code	Subject	Cr. hr
PHRM 350	Pharmacy Practice-IVA (Hospital Pharmacy)	3	PHRM 355	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PHRM 351	Pharmacy Practice-VA (Clinical Pharmacy-I)	4	PHRM 356	Pharmacy Practice-VB (Clinical Pharmacy-I)	4
PHRM 352	Pharmaceutics-IVA (Industrial Pharmacy)	4	PHRM 357	Pharmaceutics-IVB (Industrial Pharmacy)	4
PHRM 353	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	4	PHRM 358	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	4
PHRM 354	Pharmaceutics-VIA (Pharmaceutical Quality Management)	4	PHRM 359	Pharmaceutics-VIB (Pharmaceutical Quality Management)	4
<b>Total Credits: 19</b>			<b>Total Credits: 19</b>		

## 5<sup>th</sup> Professional PharmD

1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
Course Code	Title of Course	Cr. hr	Course Code	Subject	Cr. hr
PHRM 410	Pharmaceutics-VIIA (Pharmaceutical Technology)	4	PHRM 455	Pharmaceutics- VIIB (Pharmaceutical Technology)	4
PHRM 411	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	4	PHRM 456	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	4
PHRM 412	Pharmacy Practice-VIIA (Forensic Pharmacy)	3	PHRM 457	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PHRM 453	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3	PHRM 458	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PHRM 454	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	4	PHRM 459	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	4
<b>Total Credits: 18</b>			<b>Total Credits: 19</b>		

**Total Credit Hours = 206**

### Note:

- Following courses fulfill the General Education requirements of the University:  
PHRM 101 (WRCM 101), PHRM 102 (WRCM 102), PHRM 103 (URDU101), PHRM 104 (ISLM 102), PHRM 105 (CRST 104), PHRM 106 (PKST101), PHRM 315 (SOCL 450), PHRM 111/ CHEM 160, PHRM 211 (BIOL 315), PHRM 214 (MATH102), PHRM 219 (STAT101), PHRM 319 (CSCS100), PHRM 453 (ECON 304)
- PharmD students are required to enroll courses with Pharmacy course codes (PHRM)