

**Punjab Technical University, Jalandhar**  
**B. Pharmacy**  
**Scheme of Syllabi (1<sup>st</sup> and 2<sup>nd</sup> Semester )**

**1<sup>st</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical	Ext .	Int.	Ext	Int.
PHM 1.1.1	Pharmaceutical Analysis-I	3	-	4	3	3	80	20	80	20
PHM1.1.2(M)	Remedial Mathematics	3	-	-	3	-	80	20	-	-
PHM1.1.2 (B)	Remedial Biology	3	-	4	3	3	40	10	40	10
PHM 1.1.3	Pharmacognosy-I	3	-	4	3	3	80	20	80	20
PHM 1.1.4	Pharmaceutical Chemistry-I (Inorganic Pharmaceutical Chemistry)	3	-	4	3	3	80	20	80	20
PHM 1.1.5	Computer Science and Applications	3	-	4	3	3	80	20	80	20

**2<sup>nd</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext	Int.	Ext.	Int.
PHM 2.4.5	Pharmaceutics-IV (Dispensing & Community Pharmacy)	3	-	4	3	3	80	20	80	20
PHM 1.2.2	Advanced Maths	4	-	-	3	-	80	20	-	-
PHM 1.2.3	Pharmaceutical Chemistry-II (Physical Chemistry)	3	-	4	3	3	80	20	80	20
PHM 1.2.4	Pharmaceutical Chemistry-III (Organic Chemistry-I)	4	-	6	3	3	80	20	80	20
PHM 1.2.5	Anatomy Physiology & Health Education (APHE)-I	3	-	4	3	3	80	20	80	20

\* There will be minimum one sessional Examination in each theory subject.

\*\* Internal Assessment of PRACTICAL will be based on day to day Attendance, Viva, Laboratory record etc.

**Punjab Technical University, Jalandhar**  
**B. Pharmacy**  
**Scheme of Syllabi (3<sup>rd</sup> and 4<sup>th</sup> Semester )**

**3<sup>rd</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 2.3.1	Pharmaceutics-II (Unit operations-I including Engg. Drawing)	3	-	4	3	3	80	20	80	20
PHM 2.3.2	Pharmaceutical Chemistry (Organic Chemistry-II)	3	-	4	3	3	80	20	80	20
PHM 2.3.3	Pharmacognosy-II	3	-	4	3	3	80	20	80	20
PHM 2.3.4	Pharmaceutical Analysis-II	3	-	4	3	3	80	20	80	20
PHM 2.3.5	APHE-II	3	-	4	3	3	80	20	80	20

**4<sup>th</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 2.4.1	Pharmaceutics-III (Unit Operations-II)	3	-	4	3	3	80	20	80	20
PHM 2.4.2	Pharmaceutical Microbiology	3	-	4	3	3	80	20	80	20
PHM 2.4.3	Pharmacognosy-III	3	-	4	3	3	80	20	80	20
PHM 2.4.4	Pathophysiology of Common Diseases.	4	-	-	3	-	80	20	-	-
PHM 1.2.1	Pharmaceutics-I (Physical Pharmacy)	3	-	4	3	3	80	20	80	20

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**Punjab Technical University, Jalandhar**  
**B. Pharmacy**  
**Scheme of Syllabi (5<sup>th</sup> and 6<sup>th</sup> Semester)**

**5<sup>th</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 3.5.1	Pharmaceutical Chemistry-V (Biochemistry)	3	-	4	3	3	80	20	80	20
PHM 3.5.2	Pharmaceutics-V (Pharmaceutical Technology-I)	3	-	4	3	3	80	20	80	20
PHM 3.5.3	Pharmacology-I	3	-	4	3	3	80	20	80	20
PHM 3.5.4	Pharmacognosy-IV	3	-	4	3	3	80	20	80	20
PHM 3.5.5	Pharmaceutics-VI	3	-	4	3	3	80	20	80	20

**6<sup>th</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 3.6.1	Pharmaceutical Chemistry-VI (Medicinal Chemistry-D)	3	-	4	3	3	80	20	80	20
PHM 3.6.2	Pharmaceutical Jurisprudence & Ethics.	4	-	-	3	-	80	20	-	-
PHM 3.6.3	Pharmaceutics-VII ( Biopharmaceutics & Pharmacokinetics)	3	-	4	3	3	80	20	80	20
PHM 3.6.4	Pharmacology-II	4	-	6	3	3	80	20	80	20
PHM 3.6.5	Pharmacognosy-V Chemistry of Natural Products).	3	-	4	3	3	80	20	80	20

\*There will be minimum one sessional Examination in each theory subject.

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**There should be an industrial training of four weeks after the completion of 6<sup>th</sup> semester.**

**Punjab Technical University, Jalandhar**  
**B. Pharmacy**  
**Scheme of Syllabi (7<sup>th</sup> and 8<sup>th</sup> Semester)**

**7<sup>th</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 4.7.1	Pharmaceutical Biotechnology	4	-	-	3	-	80	20	-	-
PHM 4.7.2	Pharmaceutics-VIII (Pharmaceutical Technology-II)	4	-	6	3	3	80	20	80	20
PHM 4.7.3	Pharmaceutical Industrial Management	4	-	-	3	-	80	20	-	-
PHM 4.7.4	Pharmacology-III	3	-	4	3	3	80	20	80	20
PHM 4.7.5	Pharmaceutical Chemistry-VII ( Medicinal Chemistry- II)	3	-	4	3	3	80	20	80	20
PHM 4.7.6	Elective (Dissertation, Theory)	4	-	-	-	-	-	100	-	-

**8<sup>th</sup> Semester**

Course No	Subject	L	T	P	Examination Hours		Maximum Marks for Theory		Maximum Marks for Practical	
					Theory	Practical (To be conducted in 2 Batches 3 Hours for each Batch)	Ext.	Int.	Ext.	Int.
PHM 4.8.1	Pharmaceutics-IX (Dosage form design)	3	-	3	3	3	80	20	80	20
PHM 4.8.2	Pharmaceutical Analysis-III	3	-	6	3	3	80	20	80	20
PHM 4.8.3	Pharmaceutical Chemistry-VIII (Medicinal Chemistry-VIII)	3	-	3	3	3	80	20	80	20
PHM 4.8.4	Pharmacognosy-VI	3	-	3	3	3	80	20	80	20
PHM 4.8.5	Pharmacology-IV (Clinical Pharmacy & Drug interactions)	4	-	-	3	-	80	20	-	-
PHM 4.8.6	Project related to elective, Dissertation on Practical work)	-	-	4	-	-	-	-	-	100

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