

**Scheme & Syllabus of
Bachelor in Pharmacy
Batch 2011 2012**



**By
Department of Academics**

Punjab Technical University

First Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
BTHU101	Communicative English	2+1	-	20	80
BPHM101	Pharmacognosy-I	2+1	-	20	80
BPHM 102	Pharmaceutical Chemistry-I (Inorganic Pharmaceutical Chemistry)	3+1	-	20	80
BPHM 103	Pharmaceutical Analysis-I	3+1		20	80
BPHM 104	Computer Science & Application	2+1	-	20	80
BPHM 105	Introduction to Dosage Form	2+1	-	20	80
BPHM 106	Lab Pharmacognosy-I	- 3	20	80	
BPHM 107	Lab Pharmaceutical Chemistry-I (Inorganic Pharmaceutical Chemistry)	-	3	20	80
BPHM 108	Lab Pharmaceutical Analysis-I	-	3	20	80
BPHM109	Lab Computer Science & Application		3	20	80
	Total	20	12	200	800
	Grand Total	32H/Week		1000	

Second Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
HVPE101	Human Values and Professional Ethics	2+1	-	20	80
BPHM 201	Pharmaceutics-I (Dispensing & Community Pharmacy)	2+1	-	20	80
BPHM 202	Pharmaceutical Chemistry-II (Physical Chemistry)	3+1	-	20	80
BPHM 203	Pharmaceutical Chemistry-III (Organic Chemistry)	3+1	-	20	80
BPHM 204	Anatomy, Physiology & Health Education-I	2+1	-	20	80
BPHM205	Pharmaceutics-II (Hospital Pharmacy)	2+1		20	80
BPHM206	Lab Pharmaceutics-I (Dispensing & Community Pharmacy)	-	3	20	80
BPHM 207	Lab Pharmaceutical Chemistry-II (Physical Chemistry)	-	3	20	80
BPHM 208	Lab Pharmaceutical Chemistry-III (Organic Chemistry)	-	3	20	80
BPHM 209	Lab Pharmaceutics-II (Hospital Pharmacy)	-	3	20	80
	Total	20	12	200	800
	Grand Total	32H/W		1000	

Third Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
BPHM301	Pharmaceutical Mathematics	3+1	-	20	80
BPHM 302	Pharmacognosy-II	2+1	-	20	80
BPHM 303	Pharmaceutics-III (Unit Operation-I)	2+1	-	20	80
BPHM 304	Anatomy, Physiology & Health Education-II	2+1	-	20	80
BPHM 305	Pharmaceutical Industrial Management	2+1	-	20	80
BPHM 306	Pharmaceutical Chemistry-IV (Organic Chemistry-II)	3+1		20	80
BPHM 307	Lab Pharmacognosy-II	-	3	20	80
BPHM 308	Lab Pharmaceutics-III (Unit Operation-I)	-	3	20	80
BPHM 309	Lab Anatomy, Physiology & Health Education-II	- -	3	20	80
BPHM310	Lab Pharmaceutical Chemistry-IV (Organic Chemistry-II)	- -	3	20	80
	Total	20	12	200	800
	Grand Total	32H/W		1000	

Fourth Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
BPHM 401	Pharmaceutics-IV (Unit Operation-II)	2+1	-	20	80
BPHM 402	Pharmaceutical Analysis-II	3+1	-	20	80
BPHM 403	Pharmacognosy-III	2+1	-	20	80
BPHM 404	Pathophysiology of Common Diseases	2+1	-	20	80
BPHM 405	Pharmaceutics-V (Physical Pharmacy)	3+1	-	20	80
BPHM406	Intellectual Property Rights	2+1	-	20	80
BPHM 407	Lab Pharmaceutics-IV (Unit Operation-II)	-	3	20	80
BPHM 408	Lab Pharmaceutical Analysis-II	-	3	20	80
BPHM 409	Lab Pharmacognosy-III	-	3	20	80
BPHM 410	Lab Pharmaceutics-V (Physical Pharmacy)	-	3	20	80
	Total	20	12	200	800
	Grand Total	32H/W		1000	

Fifth Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L +T	P	Total Marks	
				Internal Marks	External Marks
BPHM 501	Pharmaceutical Chemistry-V (Biochemistry)	2+1	-	20	80
BPHM 502	Pharmaceutics-VI (Pharmaceutical Technology-I)	2+1	-	20	80
BPHM 503	Pharmacology-I	3+1	-	20	80
BPHM 504	Pharmacognosy-IV	2+1	-	20	80
BPHM 505	Pharmaceutics- VII (Biopharmaceutics & Pharmacokinetics)	3+1	-	20	80
BPHM 506	Lab Pharmaceutical Chemistry-V (Biochemistry)		3	20	80
BPHM 507	Lab Pharmaceutics-VI (Pharmaceutical Technology-I)		3	20	80
BPHM 508	Lab Pharmacology-I		3	20	80
BPHM 509	Lab Pharmacognosy-IV		3	20	80
BPHM 510	Lab Pharmaceutics- VII (Biopharmaceutics & Pharmacokinetics)		3	20	80
	Total	17	15	200	800
	Grand Total	32H/W		1000	

Sixth Semester

Contact Hours 32 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
EVSC 101	Environmental Science -	2+1		20	80
BPHM 601	Pharmaceutical Chemistry-VI (Medicinal Chemistry-I)	3+1	-	20	80
BPHM 602	Pharmaceutical Jurisprudence & ethics	2+1	-	20	80
BPHM 603	Pharmacology-II	3+1	-	20	80
BPHM 604	Pharmacognosy-V	2+1	-	20	80
BPHM 605	Pharmaceutical Microbiology	2+1	-	20	80
BPHM 606	Lab Pharmaceutical Chemistry-VI (Medicinal Chemistry-I)	- 3	20	80	
BPHM 607	Lab Pharmacology-II	-	3	20	80
BPHM 608	Lab Pharmacognosy-V	-	3	20	80
BPHM 609	Lab Pharmaceutical Microbiology	-	3	20	80
	Total	20	12	200	800
	Grand Total	32H/W		1000	

Seventh Semester

Contact Hours 31 Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
BPHM701	Pharmaceutical Biotechnology	2+1	-	20	80
BPHM702	Pharmaceutics-VIII (Pharmaceutical Technology-II)	2+1	-	20	80
BPHM703	Pharmacology-III	2+1	-	20	80
BPHM704	Pharmaceutical Chemistry-VII (Medicinal Chemistry-II)	3+1	-	20	80
BPHM705	Lab Pharmaceutical Biotechnology	-	3	20	80
BPHM706	Lab Pharmaceutics-VIII (Pharmaceutical Technology-II)	-	3	20	80
BPHM707	Lab Pharmacology-III	-	3	20	80
BPHM708	Lab Pharmaceutical Chemistry-VII (Medicinal Chemistry-II)	-	3	20	80
BPHM709	Project Work	-	6	20	80
BPHM710**	Industrial Training	-	-	20	80
	Total	13	18	200	800
	Grand Total	31H/W		1000	

Eighth Semester

Contact Hours 36Hrs.

Course Code	Course Name	L+T	P	Total Marks	
				Internal Marks	External Marks
BPHM801	Pharmaceutics-IX (Dosage Form Design)	3+1	-	20	80
BPHM802	Pharmaceutical Analysis-III	2+1	-	20	80
BPHM803	Pharmacognosy-VI	2+1	-	20	80
BPHM804	Pharmacology-IV (Clinical Pharmacy & Drug Interaction)	3+1	-	20	80
BPHM805	Pharmaceutical Chemistry-VIII (Medicinal Chemistry-III)	3+1	-	20	80
BPHM806	Lab Pharmaceutics-IX (Dosage Form Design)	-	3	20	80
BPHM807	Lab Pharmaceutical Analysis-III	-	3	20	80
BPHM808	Lab Pharmacognosy-VI	-	3	20	80
BPHM809	Lab Pharmaceutical Chemistry-VIII (Medicinal Chemistry-III)	-	3	20	80
BPHM810	Dissertation on Project Work	-	6	20	80
	Total	18	18	200	800
	Grand Total	36/H/W		1000	

*Note: At least two sessional exams to be conducted, the best of two will be considered in final exam **
Indicates an exercise of interaction of the students with the respective teacher in the classes. The students would express their difficulties, understanding the subject.

**Industrial Training of four weeks in summer vacations after 6th Semester & evaluation in 7th Semester

