

School of Pharmacy (SOP)

Four Year Bachelor of Pharmacy (B. Pharm)

w.e.f. Session 2025-26

First Year Autumn Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)							Year: First				
Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
		L	T	P			CW	MTE	ETE		
Autumn Semester (1 st Sem)	Core Courses										
	BP24101	Human Anatomy and Physiology I	3	1	-	4	3	10	15	75	100
	BP24103	Pharmaceutical Analysis I	3	1	-	4	3	10	15	75	100
	BP24105	Pharmaceutics I	3	1	-	4	3	10	15	75	100
	BP24107	Pharmaceutical Inorganic Chemistry	3	1	-	4	3	10	15	75	100
	BP24109	Communication skills*	2	-	-	2	1.5	5	10	35	50
	BP23111 BP24113	Remedial Biology** Remedial Mathematics *	2	-	-	2	1.5	5	10	35	50
	BP24115	Human Anatomy and Physiology – Laboratory	-	-	4	2	4	5	10	35	50
	BP24117	Pharmaceutical Analysis I – Laboratory	-	-	4	2	4	5	10	35	50
	BP24119	Pharmaceutics I – Laboratory	-	-	4	2	4	5	10	35	50
	BP24121	Pharmaceutical Inorganic Chemistry – Laboratory	-	-	4	2	4	5	10	35	50
	BP24123	Communication skills – Laboratory*	-	-	2	1	2	5	5	15	25
	BP24125	Remedial Biology – Laboratory**	-	-	2	1	2	5	5	15	25
	Total	16	4	20	27@/ 29\$/ 30#	31.5@/ 33\$/ 35#	70@/ 75\$/ 80#	115@/ 125\$/ 130#	490@/ 525\$/ 540#	675@/ 725\$/ 750#	

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at Sr. Sec. and appearing for Remedial Biology (RB) course.

\$Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at Sr. Sec. and appearing for Remedial Mathematics (RM) course.

@Students who have study Physics / Chemistry / Zoology / Botany / Mathematics / at Sr. Sec. will not appear for both Remedial biology (RB) Course and Remedial Mathematics (RM) course.

*Non University Examination (NUE)

Note:

1. CW (Class Work) includes Attendance (Refer Table – XII), Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar) teacher assessment, assignments, class /quiz test. Student – Teacher interaction.
2. The student is required to take value added course in B. Pharm First to third year like Foreign Language and SEFS. Detailed Syllabus of Foreign Language and SEFS (SF) will be according to the Foreign Language department and SEFS respectively.

First Year Spring Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)										Year: First		
S p r i n g S e m e s t e r (2 S e m)	Course Code	Course Title	Contact Hours per Week			Cr e d i t s	ET E Hr s.	Weightage (%)			T o t a l	
			L	T	P			C W	M T E	ETE		
	Core Courses											
	BP24102	Human Anatomy and Physiology II	3	1	-	4	3	10	15	75	100	
	BP24104	Pharmaceutical Organic Chemistry I	3	1	-	4	3	10	15	75	100	
	BP24106	Biochemistry	3	1	-	4	3	10	15	75	100	
	BP24108	Pathophysiology	3	1	-	4	3	10	15	75	100	
	BP24110	Computer Applications in Pharmacy *	3	-	-	3	2	10	15	50	75	
	BP24112	Environmental sciences *	3	-	-	3	2	10	15	50	75	
	BP24114	Human Anatomy and Physiology II – Laboratory	-	-	4	2	4	5	10	35	50	
BP24116	Pharmaceutical Organic Chemistry I– Laboratory	-	-	4	2	4	5	10	35	50		
BP24118	Biochemistry – Laboratory	-	-	4	2	4	5	10	35	50		
BP24120	Computer Applications in Pharmacy- Laboratory*	-	-	2	1	2	5	5	15	25		
		Total	18	4	14	29		80	125	520	725	

* Non University Examination (NUE), the subject experts at college level shall conduct examinations.

Note:

1. **Promotion and award of grades:** A student shall be declared PASS and eligible for getting grade in a course of B.Pharm. Program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100

including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

2. **Carry forward of marks:** In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
3. **Improvement of internal assessment:** A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.
4. **Re-examination of end semester examinations:** Re-examination of end semester examination shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Second Year Autumn Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)								Year: Second				
Autumn Semester (3 Sem.)	Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
			L	T	P			CW	MT E	ETE		
	Core Courses											
	BP24201	Pharmaceutical Organic Chemistry II	3	1	-	4	3	10	15	75	100	
	BP24203	Physical Pharmaceutics-I	3	1	-	4	3	10	15	75	100	
	BP24205	Pharmaceutical Microbiology	3	1	-	4	3	10	15	75	100	
	BP24207	Pharmaceutical Engineering	3	1	-	4	3	10	15	75	100	
	BP24209	Pharmaceutical OrganicChemistry II Laboratory	-	-	4	2	4	5	10	35	50	
	BP24211	Physical Pharmaceutics I Laboratory	-	-	4	2	4	5	10	35	50	
	BP24213	Pharmaceutical Microbiology – Laboratory	-	-	4	2	4	5	10	35	50	
	BP24215	Pharmaceutical Engineering – Laboratory	-	-	4	2	4	5	10	35	50	
		Sub Total	12	4	16	24	28	60	100	440	600	
	BP24109	Communication skills *	2	-	-	2	1.5	5	10	35	50	
BP24123	Communication skills – Laboratory*	-	-	2	1	2	5	5	15	25		
	Sub Total (Lateral Entry)	14	4	18	27	31.5	70	115	490	675		

* Non University Examination (NUE), the subject experts at college level shall conduct examinations and **only for the lateral entry student in autumn semester B. Pharmacy second year**

Second Year Spring Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)							Year: Second			
Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total
		L	T	P			CW	MTE	ETE	
Core Courses										
BP24202	Pharmaceutical Organic Chemistry III	3	1	-	4	3	10	15	75	100
BP24204	Medicinal Chemistry I	3	1		4	3	10	15	75	100
BP24206	Physical Pharmaceutics II	3	1	-	4	3	10	15	75	100
BP24208	Pharmacology I	3	1	-	4	3	10	15	75	100
BP24210	Pharmacognosy and Phytochemistry I	3	1	-	4	3	10	15	75	100
BP24212	Medicinal Chemistry I – Laboratory	-	-	4	2	4	5	10	35	50
BP24214	Physical Pharmaceutics II – Laboratory			4	2	4	5	10	35	50
BP24216	Pharmacology I – Laboratory	-	-	4	2	4	5	10	35	50
BP24218	Pharmacognosy and Phytochemistry I- Laboratory	-	-	4	2	4	5	10	35	50
	Sub Total	15	5	16	28	31	70	115	515	700
BP24110	Computer Applications in Pharmacy *	3	-	-	3	2	10	15	50	75
BP24120	Computer Applications in Pharmacy- Laboratory*	-	-	2	1	2	5	5	15	25
	Sub Total (Lateral Entry)	17	5	18	32	35	85	135	580	800

* Non University Examination (NUE), the subject experts at college level shall conduct examinations and only for the lateral entry student in spring semester B. Pharmacy second year

Second Year Autumn Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)							Year: Third					
A u t u m n S e m e s t e r (5 S e m)	Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
			L	T	P			CW	MTE	ETE		
	Core Courses											
	BP24301	Medicinal Chemistry II	3	1	-	4	3	10	15	75	100	
	BP24303	Industrial Pharmacy I	3	1	-	4	3	10	15	75	100	
	BP24305	Pharmacology II	3	1	-	4	3	10	15	75	100	
	BP24307	Pharmacognosy II	3	1	-	4	3	10	15	75	100	
	BP24309	Pharmaceutical Jurisprudence	3	1	-	4	3	10	15	75	100	
	BP24311	Industrial Pharmacy I– Laboratory	-	-	4	2	4	5	10	35	50	
	BP24313	Pharmacology II – Laboratory	-	-	4	2	4	5	10	35	50	
BP24315	Pharmacognosy II – Laboratory	-	-	4	2	4	5	10	35	50		
		Sub Total	15	5	12	26	27	65	105	480	650	

Second Year Spring Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)										Year: Third		
S p r i n g S e m e s t e r (6 S e n)	Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
			L	T	P			CW	MTE	ETE		
	Core Courses											
	BP24302	Medicinal Chemistry III	3	1	-	4	3	10	15	75	100	
	BP24304	Pharmacology III	3	1		4	3	10	15	75	100	
	BP24306	Herbal Drug Technology	3	1	-	4	3	10	15	75	100	
	BP24308	Biopharmaceutics and Pharmacokinetics	3	1	-	4	3	10	15	75	100	
	BP24310	Pharmaceutical Biotechnology	3	1	-	4	3	10	15	75	100	
	BP24312	Quality Assurance	3	1		4	3	10	15	75	100	
	BP24314	Medicinal chemistry III – Laboratory	-	-	4	2	4	5	10	35	50	
	BP24316	Pharmacology III – Laboratory	-	-	4	2	4	5	10	35	50	
	BP24318	Herbal Drug Technology – Laboratory	-	-	4	2	4	5	10	35	50	
		Sub Total	30	6	12	30	30	75	120	555	750	

Second Year Autumn Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)								Year: Fourth				
Autumn Semester 7 (Sem 7)	Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
			L	T	P			CW	MTE	ETE		
	Core Courses											
	BP24401	Instrumental Methods of Analysis	3	1	-	4	3	10	15	75	100	
	BP24403	Industrial Pharmacy II	3	1	-	4	3	10	15	75	100	
	BP24405	Pharmacy Practice	3	1	-	4	3	10	15	75	100	
	BP24407	Novel Drug Delivery System	3	1	-	4	3	10	15	75	100	
	BP24409	Instrumental Methods of Analysis –Laboratory	-	-	4	2	4	5	10	35	50	
	BP24411	Practice School*	-	-	12	6	5	25	-	125	150	
		Sub Total	12	5	16	24	21	70	70	460	600	

* The subject experts at college level shall conduct examinations

Second Year Spring Semester

Name of the Programme: Bachelor of Pharmacy (B. Pharm)								Year: Fourth			
Course Code	Course Title	Contact Hours per Week			Credits	ETE Hrs.	Weightage (%)			Total	
		L	T	P			CW	MT E	ETE		
S p r i n g S e m e s t e r (8 S e m e s t e r)	Core Courses										
	BP24402	Biostatistics and Research Methodology	3	1	-	4	3	10	15	75	100
	BP24404	Social and Preventive Pharmacy	3	1	-	4	3	10	15	75	100
	BP24426	Project Work	-	-	12	6	4	0	0	150	150
	Elective (Select any two)		6	2	-	8	6	20	30	150	200
	BP24406	Pharmaceutical Marketing	3	1	-	4	3	10	15	75	100
	BP24408	Pharmaceutical Regulatory Science	3	1	-	4	3	10	15	75	100
	BP24410	Pharmacovigilance	3	1	-	4	3	10	15	75	100
	BP24412	Quality Control and Standardization of Herbals	3	1	-	4	3	10	15	75	100
	BP24414	Computer Aided Drug Design	3	1	-	4	3	10	15	75	100
	BP24416	Cell and Molecular Biology	3	1	-	4	3	10	15	75	100
	BP24418	Cosmetic Science	3	1	-	4	3	10	15	75	100
	BP24420	Experimental Pharmacology	3	1	-	4	3	10	15	75	100
	BP24422	Advanced Instrumentation Techniques	3	1	-	4	3	10	15	75	100
	BP24424	Dietary Supplements and Nutraceuticals	3	1	-	4	3	10	15	75	100
		Sub Total	12	4	12	22	16	40	60	450	550