

Pharmacy Council of India
New Delhi
Draft Rules & Syllabus for the
Bachelor of Pharmacy (B. Pharm)
Course

[Framed under Regulation 6, 7 & 8 of the Bachelor of Pharmacy (B. Pharm) course regulations 2014]

CHAPTER- I: REGULATIONS Table-I: Course of study for semester I

Course code	Name of the course	No. of hours	Tutorial	Credits
BPHT1101	Human Anatomy and Physiology I-Theory	3	1	4
BPHT1102	Pharmaceutical Analysis I – Theory	3	1	4
BPHT1103	Pharmaceutics I – Theory	3	1	4
BPHT1104	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BPHT1105	Communication skills – Theory *	2	-	2
BPHT1106	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BPHL1101	Human Anatomy and Physiology – Practical	4	-	2
BPHL1102	Pharmaceutical Analysis I – Practical	4	-	2
BPHL1103	Pharmaceutics I – Practical	4	-	2
BPHL1104	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BPHL1105	Communication skills – Practical*	2	-	1
BPHL1106	Remedial Biology – Practical*	2	-	1
Total		32/34^s/36[#]	4	27/29^s/30[#]

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

^sApplicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

*Non University Examination (NUE)

Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BPHT1201	Human Anatomy and Physiology II – Theory	3	1	4
BPHT1202	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BPHT1203	Biochemistry – Theory	3	1	4
BPHT1204	Pathophysiology – Theory	3	1	4
BPHT1205	Computer Applications in Pharmacy – Theory *	3	-	3
BPHT1206	Environmental sciences – Theory *	3	-	3
BPHL1201	Human Anatomy and Physiology II – Practical	4	-	2
BPHL1202	Pharmaceutical Organic Chemistry I- Practical	4	-	2
BPHL1203	Biochemistry – Practical	4	-	2
BPHL1204	Computer Applications in Pharmacy – Practical*	2	-	1
Total		32	4	29

*Non University Examination (NUE)

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT2101	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BPHT2102	Physical Pharmaceutics I – Theory	3	1	4
BPHT2103	Pharmaceutical Microbiology – Theory	3	1	4
BPHT2104	Pharmaceutical Engineering – Theory	3	1	4
BPHL2101	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BPHL2102	Physical Pharmaceutics I – Practical	4	-	2
BPHL2103	Pharmaceutical Microbiology – Practical	4	-	2
BPHL2104	Pharmaceutical Engineering – Practical	4	-	2

Total	28	4	24
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Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT2201	Pharmaceutical Organic Chemistry III- Theory	3	1	4
BPHT2202	Medicinal Chemistry I – Theory	3	1	4
BPHT2203	Physical Pharmaceutics II – Theory	3	1	4
BPHT2204	Pharmacology I – Theory	3	1	4
BPHT2205	Pharmacognosy and Phytochemistry I- Theory	3	1	4
BPHL2202	Medicinal Chemistry I – Practical	4	-	2
BPHL2201	Physical Pharmaceutics II – Practical	4	-	2
BPHL2203	Pharmacology I – Practical	4	-	2
BPHL2204	Pharmacognosy and Phytochemistry I – Practical	4	-	2
Total		31	5	28

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT3101	Medicinal Chemistry II – Theory	3	1	4
BPHT3102	Industrial Pharmacy- Theory	3	1	4
BPHT3103	Pharmacology II – Theory	3	1	4
BPHT3104	Pharmacognosy and Phytochemistry II- Theory	3	1	4
BPHT3105	Pharmaceutical Jurisprudence – Theory	3	1	4
BPHL3101	Industrial Pharmacy – Practical	4	-	2
BPHL3102	Pharmacology II – Practical	4	-	2
BPHL3103	Pharmacognosy and Phytochemistry II – Practical	4	-	2
Total		27	5	26

Table-VI: Course of study for semester VI

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT3201	Medicinal Chemistry III – Theory	3	1	4
BPHT3202	Pharmacology III – Theory	3	1	4
BPHT3203	Herbal Drug Technology – Theory	3	1	4
BPHT3204	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BPHT3205	Pharmaceutical Biotechnology – Theory	3	1	4
BPHT3206	Quality Assurance –Theory	3	1	4
BPHL3201	Medicinal chemistry III – Practical	4	-	2
BPHL3202	Pharmacology III – Practical	4	-	2
BPHL3203	Herbal Drug Technology – Practical	4	-	2
Total		30	6	30

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT4101	Instrumental Methods of Analysis – Theory	3	1	4
BPHT4102	Industrial Pharmacy – Theory	3	1	4
BPHT4103	Pharmacy Practice – Theory	3	1	4
BPHT4104	Novel Drug Delivery System – Theory	3	1	4
BPHL4101	Instrumental Methods of Analysis – Practical	4	-	2
BPHL4102	Practice School*	12	-	6
Total		28	5	24

* Non University Examination (NUE)

Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BPHT4201	Biostatistics and Research Methodology	3	1	4
BPHT4202	Social and Preventive Pharmacy	3	1	4
BPHT4203	Pharmaceutical Marketing	3 + 3 = 6	1 + 1 = 2	4 + 4 = 8
BPHT4204	Pharmaceutical Regulatory Science			
BPHT4205	Pharmacovigilance			
BPHT4206	Quality Control and Standardizations of Herbals			
BPHT4207	Computer Aided Drug Design			
BPHT4208	Cell and Molecular Biology			
BPHT4209	Cosmetic Science			
BPHT4210	Experimental Pharmacology			
BPHT4211	Advanced Instrumentation Techniques			
BPHT4212	Dietary Supplements And Nutraceuticals			
BPHT4213	Pharmaceutical Product Development			
BPHP4201	Project Work	12	-	6
Total		24	4	22

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27/29 ^s /30 [#]
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co curricular activities	01*
Total credit points for the program	209/212^s/212[#]

*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

^sApplicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

[#]Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

10. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.

2. The composition of the Program Committee shall be as follows:

A senior teacher shall be the Chairperson; One Teacher from each department handling B.Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

3. Duties of the Program Committee:

i. Periodically reviewing the progress of the classes.

ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.

iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.

iv. Communicating its recommendation to the Head of the institution on academic matters.

v. The Program Committee shall meet at least thrice in a semester preferably at the end of each Sessionalexam (Internal Assessment) and before the end semester exam.