

PHARMACY COUNCIL OF INDIA

SYLLABUS

BACHELOR OF PHARMACY (B. Pharm)
(2026)

As per NEP 2020



YEAR 2

Semester III & Semester IV

Table-3: Course of study for semester III

Course Code		Name of the course	No. of hours per week (L/P)	Credit points
BP301T		Introduction to Machine Learning in Pharmaceutical Sciences (Theory)	2	2
BP302T		Environmental Sciences (Theory)	1	1
BP303T		Ethics and Universal Human Values (Theory)	1	1
BP304T		General Pharmacology (Theory)	3	3
BP305T		Heterocyclic Compounds and Stereochemistry (Theory)	3	3
BP306T		Pharmaceutical Dosage Forms I (Theory)	3	3
BP307T		Pharmaceutical Engineering (Theory)	3	3
BP308T		Pharmaceutical Microbiology (Theory)	3	3
BP309P		General Pharmacology (Practical)	4	2
BP310P		Heterocyclic Compounds and Stereochemistry (Practical)	4	2
BP311P		Pharmaceutical Dosage Forms I (Practical)	3	1
BP312P AEC*	BP312P AEC1	Nutraceuticals and Functional Foods	2	1
	BP312P AEC2	Food Analysis		
	BP312P AEC3	Yoga and Life Sciences		
Total			32	25

Table-4: Course of study for semester IV

Course Code		Name of the course	No. of hours per week (L/P)	Credit points
BP401T		Herbal Drug Technology (Theory)	3	3
BP402T		Medicinal Chemistry (Theory)	3	3
BP403T		Pharmaceutical Biotechnology (Theory)	3	3
BP404T		Social Pharmacy and Public Health (Theory)	2	2
BP405T		Systemic Pharmacology I (Theory)	3	3
BP406P		Herbal Drug Technology (Practical)	3	1
BP407P		Medicinal Chemistry (Practical)	3	1
BP408P		Pharmaceutical Biotechnology (Practical)	3	1
BP409P		Social Pharmacy and Public Health (Practical)	2	1
BP410P		Systemic Pharmacology I (Practical)	3	1

Course Code	Name of the course	No. of hours per week (L/P)	Credit points
BP411I	Internship (Mandatory)	8	4
Total		28	23

