



JSPM UNIVERSITY PUNE

Recognized by UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah.IV of 2023)

JSPM University Pune
Faculty of Health Sciences
School of Pharmaceutical Sciences



Pharmacy Council of India New Delhi
aligned Curriculum Structure
for
B. Pharm

(Effective from AY: 2024-25)



JSPM University Pune

FACULTY OF HEALTH SCIENCES

SCHOOL OF PHARMACEUTICAL SCIENCES

FIRST YEAR BACHELOR OF PHARMACY

COURSE STRUCTURE
(AS PER RULES AND REGULATIONS OF PHARMACY COUNCIL OF INDIA, NEW DELHI)
2023-2024

W. E. F.

RELEASE DATE

01/07/2023

REVISION NO.

0.0 (PCI, New Delhi)

SEMESTER I

COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL MARKS	CREDITS
			Hours/ Week				THEORY			PRACTICAL						
TYPE	CODE	COURSE NAME	L	T	P	EL	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)		
							CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL		CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL			
NA	BP101T	Human Anatomy and Physiology I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP102T	Pharmaceutical Analysis I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP103T	Pharmaceutics I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	-	-	10	15	25	75	-	-	-	-	50	2
NA	BP105T	Communication skills – Theory *	2	-	-	-	5	10	15	35	-	-	-	-	50	2
NA	BP106RBT BP106RMT	Remedial Biology / Remedial Mathematics – Theory*	2	-	-	-	5	10	15	35	-	-	-	-	50	2
NA	BP107P	Human Anatomy and Physiology I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP108P	Pharmaceutical Analysis I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP109P	Pharmaceutics I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP110P	Pharmaceutical Inorganic Chemistry – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP111P	Communication skills – Practical*	-	-	2	-	-	-	-	-	5	5	10	15	25	1
NA	BP112RBP	Remedial Biology – Practical*	-	-	2	-	-	-	-	-	5	5	10	15	25	1
Total			16	4	20	-	45/50[#]/ 50^s	70/80^s/ 80[#]	115/ 130[#]/ 130^s	370	25/25^s/ 30[#]	45/50[#]/ 45^s	70/70^s/ 80[#]	155/155^s/ 170[#]	675/ 725^s/ 1750[#]	27/29^s/ 30[#]

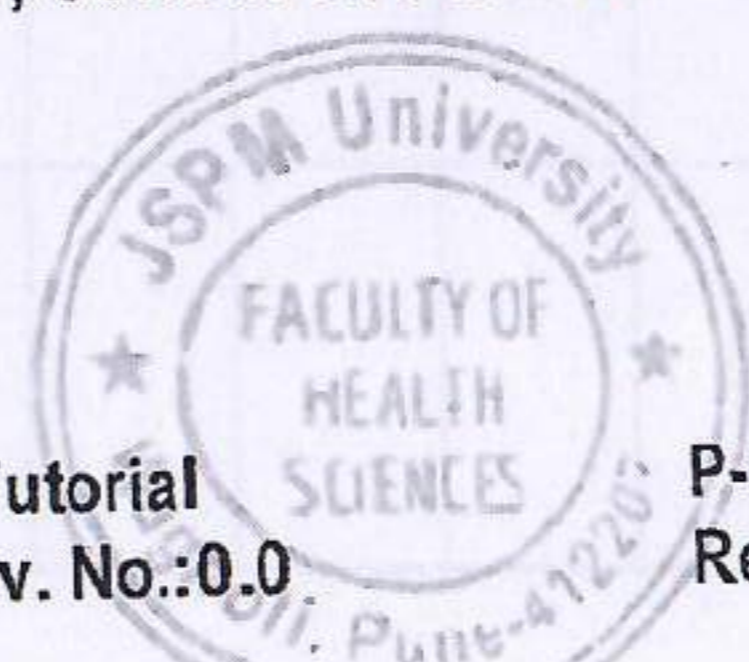
#Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course
sApplicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

*Non University Examination (NUE)

Dr. S. S. Jangam
Programme Coordinator, B. Pharmacy

Dr. Anuradha S. Deshpande
Associate Dean (Academics)

Dr. M. D. Burande
Director, School of Pharmaceutical Sciences



T-Tutorial Rev. No.:0.0
P-Practical Session (Laboratory) Rev. Date:01/07/2023

Dr. S. B. Wankhede
Dean, Faculty of Health Sciences

Prof. B. B. Ahuja
Vice Chancellor, JSPM University Pune

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EL-Experiential Learning
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SEMESTER II

COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS										CR DIT			
TYPE	CODE	COURSE NAME	Hours/ Week				THEORY				PRACTICAL			ORAL (Equal Weightage for CIE and ESE)		TOTAL MARKS				
			L	T	P	EL	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	INTERNAL ASSESSMENT (Marks)		END SEMESTER EXAMINATION (Marks)	CONTINUOUS INSEMESTER EVALUATION (Marks)	END SEMESTER EXAMINATION (Marks)					
							CONTIN UOUS MODE	SESSI ONAL EXAMS	TOTA L		CONTIN UOUS MODE	SESSI ONAL EXAMS	TOTAL							
NA	BP201T	Human Anatomy and Physiology II – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4		
NA	BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4		
NA	BP203T	Biochemistry – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4		
NA	BP204T	Pathophysiology – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4		
NA	BP205T	Computer Applications in Pharmacy – Theory*	3	-	-	-	10	15	25	50	-	-	-	-	-	-	75	3		
NA	BP206T	Environmental sciences – Theory*	3	-	-	-	10	15	25	50	-	-	-	-	-	-	75	3		
NA	BP207P	Human Anatomy and Physiology II – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2		
NA	BP208P	Pharmaceutical Organic Chemistry I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2		
NA	BP209P	Biochemistry – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2		
NA	BP210P	Computer Applications in Pharmacy – Practical*	-	-	2	-	-	-	-	-	5	5	10	15	-	-	25	1		
NA	BP211	Internship	4 to 6 Weeks				-	-	-	-	-	-	-	-	-	-	50	50	100	2
Total			18	4	14	-	60	90	150	400	20	35	55	120	50	50	825	31		

* Non University Examination (NUE)

Jangam

Dr. S. S. Jangam
Programme Coordinator, B. Pharmacy

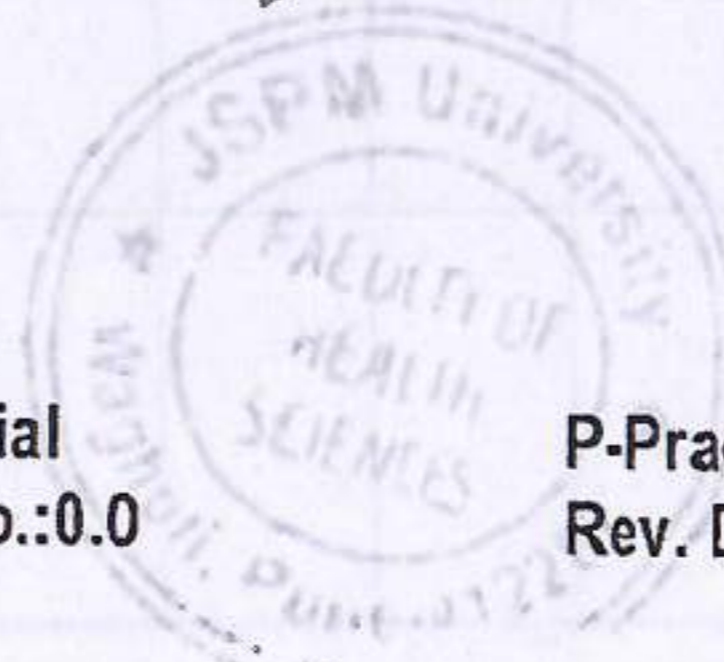
Dr. Anuradha S. Deshpande

Dr. Anuradha S. Deshpande
Associate Dean (Academics)

L-Lecture
Format No.: JSPMUni/ACAD/001

M. D. Burande

Dr. M. D. Burande
Director, School of Pharmaceutical Sciences



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S. B. Wankhede

Dr. S. B. Wankhede
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B. B. Ahuja

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01/07/2025

SEMESTER III

1.0 (PCI, New Delhi)

COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL MARKS	CREDITS
TYPE	CODE	COURSE NAME	Hours/ Week				THEORY				PRACTICAL					
			L	T	P	EL	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)		
							CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL		CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL			
NA	BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP302T	Physical Pharmaceutics I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP303T	Pharmaceutical Microbiology – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP304T	Pharmaceutical Engineering – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP305P	Pharmaceutical Organic Chemistry II – Practical	-	-	4	-	-	-	-	-	-	-	-	-	100	4
NA	BP306P	Physical Pharmaceutics I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP307P	Pharmaceutical Microbiology – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP308P	Pharmaceutical Engineering – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
Total			12	4	16	-	40	60	100	300	20	40	60	140	50	2
MLC#	BP309T	Laboratory Safety and Hazards Management	1	-	-	-	-	-	-	-	50	-	-	-	50	1

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Associate Dean (Academics)



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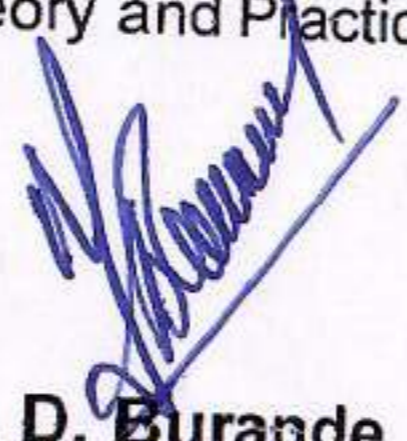
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SEMESTER III (For Lateral Entry Students)

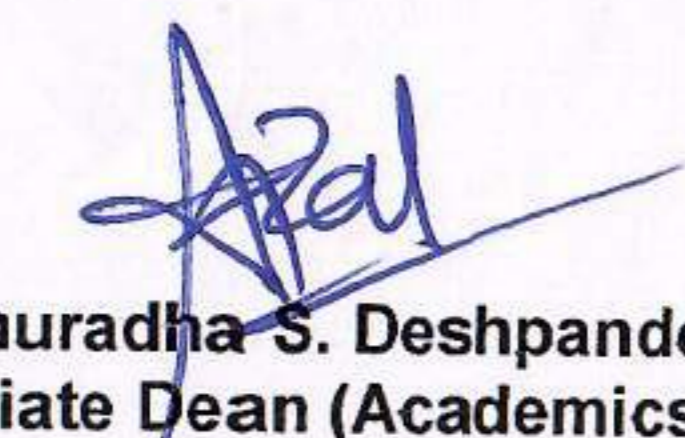
COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL MARKS	CREDITS
TYPE	CODE	COURSE NAME	Hours/ Week				THEORY				PRACTICAL					
			L	T	P	EL	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)		
							CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL		CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL			
NA	BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP302T	Physical Pharmaceutics I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP303T	Pharmaceutical Microbiology – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP304T	Pharmaceutical Engineering – Theory	3	1	-	-	10	15	25	75	-	-	-	-	100	4
NA	BP305P	Pharmaceutical Organic Chemistry II – Practical	-	-	4	-	-	-	-	-	-	-	-	-	100	4
NA	BP306P	Physical Pharmaceutics I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP307P	Pharmaceutical Microbiology – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP308P	Pharmaceutical Engineering – Practical	-	-	4	-	-	-	-	-	5	10	15	35	50	2
NA	BP105T	Communication skills – Theory *	2	-	-	-	5	10	15	35	5	10	15	35	50	2
NA	BP111P	Communication skills – Practical*	-	-	2	-	-	-	-	-	-	-	-	-	50	2
Total			14	4	18	-	45	70	115	335	25	45	70	155	25	1
MLC#	BP309T	Laboratory Safety and Hazards Management	1	-	-	-	-	-	-	50	-	-	-	-	675	27

* **Non University Examination (NUE).** The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.



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SEMESTER IV

COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS											TOTAL MARKS	CR EDITS
			Hours/ Week				THEORY			PRACTICAL			ORAL (Equal Weightage for CIE and ESE)						
TYPE	CODE	COURSE NAME	L	T	P	EL	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	INTERNAL ASSESSMENT (Marks)			END SEMESTER EXAMINATION (Marks)	CONTINUOUS IN SEMESTER EVALUATION (Marks)	END SEMESTER EXAMINATION (Marks)			
							CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL		CONTINUOUS MODE	SESSIONAL EXAMS	TOTAL						
NA	BP401T	Pharmaceutical Organic Chemistry III – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4	
NA	BP402T	Medicinal Chemistry I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4	
NA	BP403T	Physical Pharmaceutics II – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4	
NA	BP404T	Pharmacology I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4	
NA	BP405T	Pharmacognosy and Phytochemistry I – Theory	3	1	-	-	10	15	25	75	-	-	-	-	-	-	100	4	
NA	BP406P	Medicinal Chemistry I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2	
NA	BP407P	Physical Pharmaceutics II – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2	
NA	BP408P	Pharmacology I – Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2	
NA	BP409P	Pharmacognosy and Phytochemistry I - Practical	-	-	4	-	-	-	-	-	5	10	15	35	-	-	50	2	
NA	BP410	Internship	4 to 6 Weeks				-	-	-	-	-	-	-	-	50	50	100	2	
Total			15	5	16	-	50	75	125	375	20	40	60	140	50	50	800	31	
MLC#	230UPOB02_04	Introduction to Indian Constitution	1	-	-	-	-	-	-	50	-	-	-	-	-	-	50	1	

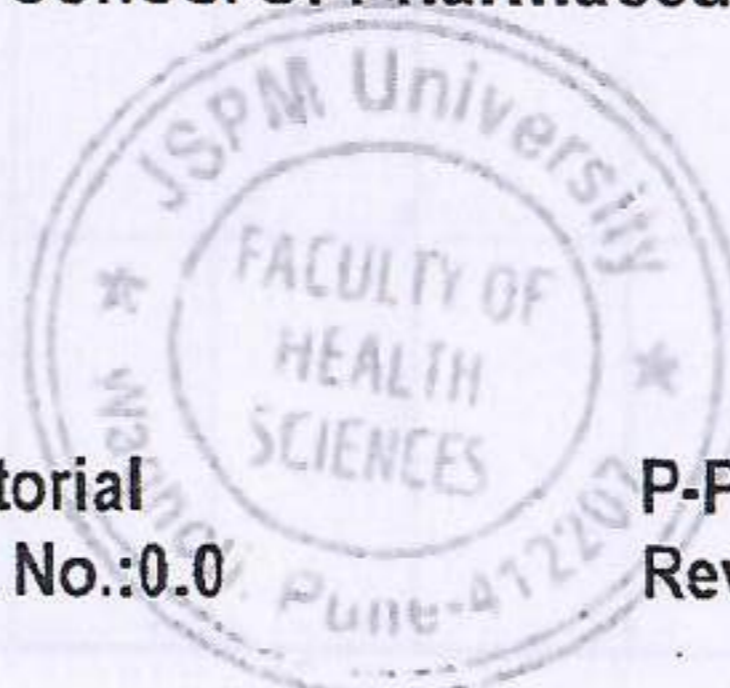
Nangan

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