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Pimpri Chinchwad Education Trust's

**Pimpri Chinchwad University**

**School of Pharmacy**

Sate, Pune – 412106, Maharashtra, India  
(Established under Maharashtra Act No V of 2023)

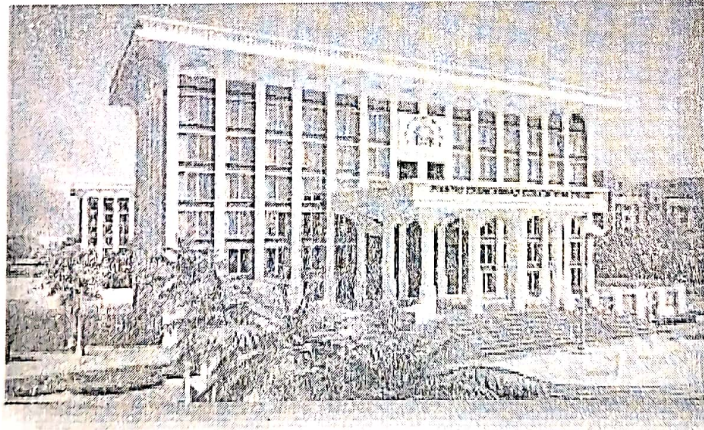
Rules, Curriculum Structure and Syllabus for First to Final Year (SEM - I to SEM - VIII)

**Bachelor of Pharmacy**

**(2026 Pattern)**

[Framed under Revised Regulations 2026-27 for the B. Pharm. Degree Program (CBCS)  
of the Pharmacy Council of India, New Delhi].

**Choice Based Credit System (CBCS) and Grading System**



Effective from Academic Year 2026-27

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### Curriculum Structure:

Sr. No.	Type of course	Abbreviations
1	Major	MAJ
2	Elective (Minor Stream/Vocational/Program Specific)	MIN
3	Open Electives	OE
4	Ability Enhancement Courses	AEC
5	Skill Enhancement Courses	SEC
6	Vocational Skill Course	VSC
7	Summer Internship/ On Job Training	OJT
8	Project	PROJ
9	Field Project	FP
10	Indian Knowledge System	IKS
11	Community Engagement Program	CEP
12	Value Education Course	VEC

*R. Patil*

## B. Pharm. Course Structure

[Reference: महाराष्ट्रशासन, उच्चतंत्रशिक्षणविभाग, शासननिर्णयक्रमांक: एनईपी-2022/प्र.क्र.09/विशि-3 शिकाना, दिनांक२०एप्रिल२०२३, सोबतचेपरीशिष्ट 'DIRECTIVES (निर्देश)']

Sr. No.	Type of course	No. of Credits/Semester								
		Degree								
		1	2	3	4	5	6	7	8	Total
1	Major Mandatory	21	25	24	19	22	19	16	14	160
2	Major Elective • Skill Enhancement Courses (SEC) • Ability Enhancement Courses (AEC) • Value Addition Courses (VAC)	-	01	01	-	-	03	01	03	09
3	Ability Enhancement Courses (AEC)	✓	✓	✓	✓	-	-	-	-	-
4	Skill Enhancement Courses	-	-	-	-	✓	✓	✓	✓	-
5	Summer Internship/On Job Training/Project	-	-	-	04	-	04	-	-	08
6	Training and placement efforts	-	✓	-	✓	-	-	-	-	-
7	Field Project/ Rural immersion/ Community Engagement project	✓	✓	-	-	-	✓	-	-	-
8	Indian Knowledge System	✓	-	-	-	-	-	-	-	-
9	Value Education Course	✓	✓	✓	✓	✓	✓	✓	✓	-
10	Research Methodologies	-	-	-	-	-	-	03	-	03
11	Research Project	-	-	-	-	-	-	06	06	12
12	Global Exposure	-	-	-	-	-	-	-	-	-
13	Technical club involvements	-	-	✓	✓	-	-	-	-	-
<b>Total</b>		<b>21</b>	<b>26</b>	<b>25</b>	<b>23</b>	<b>22</b>	<b>27</b>	<b>26</b>	<b>23</b>	<b>193</b>

\* 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.

§Applicable 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

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### Curriculum Structure

#### PROGRAM STRUCTURE SCHOOL PHARMACY

#### BACHELOR OF PHARMACY (B.PHARM) 2026 PATTERN

Effective from the Academic Year 2026- 2027

TABLE I- COURSE OF STUDY FOR SEMESTER I

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)			End Semester Assessment Scheme		Total Marks	
					Continuous Mode	Sessional Exams Marks	Duration Hrs	Total	Marks		Duration Hrs
BP101T	Core	Basics of Python Programming for Pharmaceutical Sciences (Theory)	2	2	10	10	01	20	30	1.5	50
BP102T	Core	General Pharmacy (Theory)	3	3	15	15	01	30	45	02	75
BP103T	Core	Healthcare Psychology and Communication Skills (Theory)	1	1	10	10	01	20	30	1.5	50
BP104T	Core	Human Anatomy, Physiology and Pathophysiology I (Theory)	4	4	20	20	01	40	60	03	100
BP105T	Core	Introduction to Pharmacognosy (Theory)	3	3	15	15	01	30	45	02	75
BP106T	Core	Pharmaceutical Inorganic and Analytical Chemistry (Theory)	3	3	15	15	01	30	45	02	75
BP107P	Core	General Pharmacy (Practical)	3	1	10	10	03	20	30	03	50
BP108P	Core	Healthcare Psychology and Communication Skills (Practical)	2	1	10	10	03	20	30	03	50
BP109P	Core	Human Anatomy, Physiology and Pathophysiology I (Practical)	3	1	10	10	03	20	30	03	50
BP110P	Core	Introduction to Pharmacognosy (Practical)	3	1	10	10	03	20	30	03	50
BP111P	Core	Pharmaceutical Inorganic and Analytical Chemistry (Practical)	3	1	10	10	03	20	30	03	50
ACUSPV EC101	VEC*	Value Education Courses / MOOCS	Approx 3	-	--	--	--	--	--	--	--
AECU101	AEC*	Foreign Languages	2	-	50	50	NA	NA	NA	NA	NA
<b>Total</b>			<b>32*</b>	<b>21</b>	<b>135</b>	<b>135</b>	<b>21</b>	<b>270</b>	<b>405</b>	<b>27</b>	<b>675</b>

Abbreviations: Course - Abbreviation; Th = Theory; Tut = Tutorial; Pr = Practical; Hrs = Hours; Cr = Credits; CIA = Continuous Internal Assessment; ESA = End Semester Assessment; PR = Practical Exam; OR = Oral Exam  
VEC: As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
\*Non University Courses (NUC), AECU101A – GERMAN, \* AECU101B-JAPANESE, # Ability Enhancement Course, VEC: As per guidelines given with the course.

Course Code	Course Type	Subject name
AECU101A	AEC	German-I
AECU101B	AEC	Japanese-I
AECU101C	AEC	Korean-I

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**TABLE II: COURSE OF STUDY FOR SEMESTER II**

Coursecode	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)			End Semester Assessment Scheme	Total Marks	
					Continuous Mode	Sessional Exams				Total
						Marks	Duration Hrs			
BP201T	Core	Applied Biostatistics and Data Analytics for Pharmaceutical Sciences (Theory)	2	2	10	01	20	30	1.5	50
BP202T	Core	Biochemistry (Theory)	3	3	15	01	30	45	2	75
BP203T	Core	Human Anatomy, Physiology and Pathophysiology II. (Theory)	4	4	20	01	40	60	3	100
BP204T	Core	Pharmaceutical Organic Chemistry (Theory)	4	4	20	01	40	60	3	100
BP205T	Core	Pharmacognosy and Phytochemistry (Theory)	4	4	20	01	40	60	3	100
BP206T	Core	Physical Pharmaceutics (Theory)	3	3	15	01	30	45	2	75
BP207P	Core	Biochemistry (Practical)	3	1	10	3	20	30	3	50
BP208P	Core	Human Anatomy, Physiology and Pathophysiology II (Practical)	3	1	10	3	20	30	3	50
BP209P	Core	Pharmaceutical Organic Chemistry (Practical)	3	1	10	3	20	30	3	50
BP210P	Core	Pharmacognosy and Phytochemistry (Practical)	3	1	10	3	20	30	3	50
BP211P	Core	Physical Pharmaceutics (Practical)	3	1	10	3	20	30	3	50
BP 212P	Core	SEC –Elective I (Practical)	2	1	10	3	20	30	3	50
ACIKSSP101	AC*	Indian Knowledge System (IKS) – Indian Health Science	2	-	50			NA		
ACUSPVEC102	VEC*	Value Education Courses/ MOOCS	3	-						
AECU201	AEC*	Foreign Languages	2	-	50					
<b>Total</b>			<b>44</b>	<b>26</b>	<b>160</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>32.5</b>	<b>800</b>

Abbreviations: Course Abbreviations: Th = Theory, Tut = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits, CIA = Continuous Internal Assessment, ESI = End Semester Assessment, PR = Practical Exam, OR = Oral Exam  
 VEC = As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS=Massive Open Online Courses  
 \*Non University Examinations (NUE)

Course Code	Course Type	Course name	Course Code	Course Type	Course name
AECU201A	AEC	German-II	BP212P SEC1	Core	Communication Skills
AECU201B	AEC	Japanese-II	BP212P SEC2	Core	Mental Well-Being, Stress & Conflict Management
AECU201C	AEC	Korean-II	BP212P SEC3	Core	Fundamentals of Computer Operations

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**TABLE III: COURSE OF STUDY FOR SEMESTER III**

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)			End Semester Assessment Scheme		Total Marks
					Continuous Mode	Sessional Exams Marks	Duration Hrs	Marks	Duration Hrs	
BP301T	Core	Introduction to Machine Learning in Pharmaceutical Sciences (Theory)	2	2	10	01	20	30	1.5	50
BP302T	Core	Environmental Science (Theory)	1	1	10	01	20	30	1.5	50
BP303T	Core	Ethics and Universal Human Values (Theory)	1	1	10	01	20	30	1.5	50
BP304T	Core	General Pharmacology (Theory)	3	3	15	01	30	45	02	75
BP305P	Core	Heterocyclic Compounds and Stereochemistry (Theory)	3	3	15	01	30	45	02	75
BP306P	Core	Pharmaceutical Dosage Forms I (Theory)	3	3	15	01	30	45	02	75
BP307P	Core	Pharmaceutical Engineering (Theory)	3	3	15	01	30	45	02	75
BP308P	Core	Pharmaceutical Microbiology (Theory)	3	3	15	01	30	45	02	75
BP309T	Core	General Pharmacology (Practical)	4	2	10	04	20	30	04	50
BP310P	Core	Heterocyclic Compounds and Stereochemistry (Practical)	4	2	10	04	20	30	04	50
BP311P	Core	Pharmaceutical Dosage Forms I (Practical)	3	1	10	03	20	30	03	50
BP312P	AEC	AEC – Elective 2 (Practical)	2	1	10	03	20	30	03	50
AECU301	AEC*	Foreign Languages	2	-	50				NA	
ACUSPVE C203	VEC*	Value Education Courses /MOOCS AI for Everyone	Approx 3	-	--				--	
<b>Total</b>			<b>34</b>	<b>25</b>	<b>145</b>	<b>22</b>	<b>290</b>	<b>435</b>	<b>28.5</b>	<b>725</b>

Abbreviations: Course Abbreviation: Th = Theory, Tut = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits; CIA = Continuous Internal Assessment, ESA = End Semester Assessment, PR = Practical Exam, OR = Oral Exam  
 VEC As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
 AEC - Ability Enhancement Course, \*Non-University Examinations (NUE)

**Foreign Languages**

Course Code	Course Type	Subject name	Course Code	Course Type	Subject name
AECU301A	AEC	German-III	BP312PAEC1	AEC	Nutraceuticals and Functional Foods
AECU301B	AEC	Japanese-III	BP312PAEC2	AEC	Food Analysis
AECU301C	AEC	Korean-III	BP312PAEC3	AEC	Yoga and Life Sciences

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TABLE IV: COURSE OF STUDY FOR SEMESTER IV

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)			End Semester Assessment Scheme		Total Marks	
					Continuous Mode	Sessional Exams Marks	Sessional Exams Duration (Hrs)	Total	Marks		Duration (Hrs)
BP401T	Core	Herbal Drug Technology (Theory)	3	03	15	15	01	30	45	02	75
BP402T	Core	Medicinal Chemistry (Theory)	3	03	15	15	01	30	45	02	75
BP403T	Core	Pharmaceutical Biotechnology (Theory)	3	03	15	15	01	30	45	02	75
BP404T	Core	Social Pharmacy and Public Health (Theory)	2	02	10	10	01	20	30	1.5	50
BP405T	Core	Systemic Pharmacology I (Theory)	3	03	15	15	01	30	45	02	75
BP406P	Core	Herbal Drug Technology (Practical)	3	01	10	10	03	20	30	03	50
BP407P	Core	Medicinal Chemistry (Practical)	3	01	10	10	03	20	30	03	50
BP408P	Core	Pharmaceutical Biotechnology (Practical)	3	01	10	10	03	20	30	03	50
BP409P	Core	Social Pharmacy and Public Health (Practical)	2	01	10	10	03	20	30	03	50
BP410P	Core	Systemic Pharmacology I (Practical)	3	01	10	10	03	20	30	03	50
BP411P	Core	Internship (Mandatory)	8	04	Refer section 22	-	-	-	100	04	100
ACCOI201	AC*	Constitution of India (COI)	2	-	50	-	-	-	NA	-	-
AECU401	AEC*	Foreign Language	2	-	50	-	-	-	NA	-	-
ACUSPVE C204	VEC*	Value Education Courses /MOOCS / AI for Everyone	Approx 3	-	--	-	-	-	--	--	--
<b>Total</b>			<b>40</b>	<b>23</b>	<b>120</b>	<b>120</b>	<b>20</b>	<b>240</b>	<b>460</b>	<b>28.5</b>	<b>700</b>

Abbreviations: Course Abbreviation; Th = Theory, Tut = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits; CIA = Continuous Internal Assessment, ESA = End Semester Assessment, PI = Practical Exam, OR = Oral Exam  
 VEC: As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
 AEC - Ability Enhancement Course, \*Non-University Examinations (NUE)

Foreign Languages

Course Code	Course Type	Course name
AECU401A	AEC	German-IV
AECU401B	AEC	Japanese-IV
AECU401C	AEC	Korean-IV

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**TABLE V: COURSE OF STUDY FOR SEMESTER V**

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)				End Semester Assessment Scheme		Total Marks
					Continuous Mode	Sessional Exams		Total	Marks	Duration Hrs	
						Marks	Duration Hrs				
BP501T	Core	Biomedical Chemistry (Theory)	3	03	15	15	01	30	45	02	75
BP502T	Core	Industrial Pharmacognosy (Theory)	3	03	15	15	01	30	45	02	75
BP503T	Core	Innovation and Startup Ecosystem (Theory)	2	02	10	10	01	20	30	1.5	50
BP504T	Core	Pharmaceutical Dosage Forms II (Theory)	2	02	10	10	01	20	30	1.5	50
BP505T	Core	Pharmaceutical Quality Assurance (Theory)	3	03	15	15	01	30	45	02	75
BP506P	Core	Systemic Pharmacology II (Theory)	3	03	15	15	01	30	45	02	75
BP507P	Core	Biomedical Chemistry (Practical)	4	02	10	10	04	20	30	04	50
BP508P	Core	Industrial Pharmacognosy (Practical)	3	01	10	10	03	20	30	03	50
BP509P	Core	Pharmaceutical Dosage Forms II (Practical)	3	01	10	10	03	20	30	03	50
BP510P	Core	Systemic Pharmacology II (Practical)	4	02	10	10	04	20	30	04	50
ACALR301	AC*	Aptitude and Logical Reasoning	2	-	50						NA
ACUSPVEC	VEC*	Value Education Courses/ MOOCS /AI for Everyone	Approx 3	0	-						-
305		<b>Total</b>	<b>40</b>	<b>22</b>	<b>120</b>	<b>120</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>25</b>	<b>600</b>

Abbreviations: Course Abbreviations: Th = Theory, Tut = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits; CIA = Continuous Internal Assessment, ES = End Semester Assessment, PR = Practical Exam, OR = Oral Exam  
 VEC: As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
 AEC - Ability Enhancement Course, \*\*Non-University Examinations (NUE)

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TABLE VI: COURSE OF STUDY FOR SEMESTER VI

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)				End Semester Assessment Scheme		Total Marks
					Continuous Mode	Sessional Exams Marks	Sessional Exams Duration Hrs	Total	Marks	Duration Hrs	
BP601T	Core	Advanced Pharmacognosy (Theory)	3	03	15	15	01	30	45	02	75
BP602T	Core	Biopharmaceutics and Pharmacokinetics (Theory)	3	03	15	15	01	30	45	02	75
BP603T	Core	Intellectual Property Rights (Theory)	2	02	10	10	01	20	30	1.5	50
BP604T	Core	AI Applications in Pharmaceutical Sciences (Theory)	2	02	10	10	01	20	30	1.5	50
BP605T	Core	Pharmaceutical Analysis (Theory)	3	03	15	15	01	30	45	02	75
BP606T	Core	Pharmaceutical Jurisprudence (Theory)	3	03	15	15	01	30	45	02	75
BP607P	Core	AEC – Elective 3 (Theory)	1	01	10	10	01	20	30	1.5	50
BP608P	Core	Biopharmaceutics and Pharmacokinetics (Practical)	3	01	10	10	03	20	30	03	50
BP609P	Core	Pharmaceutical Analysis (Practical)	4	02	10	10	04	20	30	04	50
BP610P	Core	SEC – Elective 4 (Practical)	2	01	10	10	03	20	30	03	50
BP611P	Core	VAC – Elective 5	2	01	10	10	03	20	30	03	50
BP612P	Core	Internship (Mandatory)	8	04	Refer Section 22	-	-	-	100	04	100
ACUSPVE	VEC*	Value Education Courses / MOOCS	Approx 3	-	-	-	-	-	-	-	-
C306		<b>Total</b>	<b>36</b>	<b>26</b>	<b>130</b>	<b>130</b>	<b>20</b>	<b>260</b>	<b>490</b>	<b>29.5</b>	<b>750</b>

Abbreviations: Course Abbreviations: Th = Theory, Tit = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits, CIA = Continuous Internal Assessment, ESA = End Semester Assessment, PR = Practical Exam, OR = Oral Exam  
 VEC - As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
 AEC - Ability Enhancement Course, \*Non-University Examinations (NUE)

Course Code	Course Type	Course name	Course Code	Course Type	Course name
BP607T AEC1	AEC	Green Chemistry	BP610P SEC1	SEC	Computer-Aided Drug Design
BP607T AEC2	AEC	Matricovigilance and Hemovigilance	BP610P SEC2	SEC	Analytical Method Development and Validation
BP607T AEC3	AEC	Scientific Writing	BP610P SEC3	SEC	Principles of Preclinical Studies
BP607T AEC4	AEC	Drug Store and Business Management	Course Code	Course Type	Course name
BP607T AEC5	AEC	Career Building in Cultivation of Medicinal Plants	BP611P VAC1	VAC	Professional Skills
BP607T AEC6	AEC	Active Pharmaceutical Ingredients and Excipient Sciences	BP611P VAC2	VAC	Process Analytical Technology (PAT) and Q&D in Formulation Science

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TABLE VII: COURSE OF STUDY FOR SEMESTER VII



Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)				End Semester Assessment Scheme		Total Marks
					Continuous Mode	Sessional Exams Marks	Sessional Exams Duration Hrs	Total	Marks	Duration Hrs	
BP701T	Core	Biostatistics and Research Methodology (Theory)	3	03	15	15	01	30	45	02	75
BP702T	Core	Cosmetics and Cosmeceuticals (Theory)	2	02	10	10	01	20	30	1.5	50
BP703T	Core	AI in Clinical Applications (Theory)	2	02	10	10	01	20	30	1.5	50
BP704T	Core	Modern Analytical Techniques (Theory)	3	03	15	15	01	30	45	02	75
BP705T	Core	Pharmacovigilance (Theory)	3	03	15	15	01	30	45	02	75
BP706T	Core	Pharmacy Practice (Theory)	3	03	15	15	01	30	45	02	75
BP707T	Core	Regulatory Affairs (Theory)	2	02	10	10	01	20	30	1.5	50
BP708T	Core	AEC – Elective 6 (Theory)	1	01	10	10	01	20	30	1.5	50
BP709T	Core	Modern Analytical Techniques (Practical)	3	01	10	10	03	20	30	03	50
BP710T	Core	Research Project	-	06	Refer Section 21	-	-	-	150	04	150
ACUSPVE C407	VEC*	Value Education Courses / MOOCS	Approx 3	-	-	-	-	-	-	-	-
<b>Total</b>			<b>22</b>	<b>26</b>	<b>26</b>	<b>110</b>	<b>110</b>	<b>11</b>	<b>220</b>	<b>480</b>	<b>21</b>

Abbreviations: Course Abbreviations: Th = Theory, Tu = Tutorial, Pr = Practical, Hrs = Hours, Cr = Credits; CIA = Continuous Internal Assessment, ESA = End Semester Assessment, PR = Practical Exam, OR = Oral Exam  
 VEC: As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
 \*Non-University Examinations (NUE)

Course Code	Course Type	Course name
BP708TAEC1	AEC	Current Good Manufacturing Practices (cGMP)
BP708TAEC2	AEC	Pharmaceutical Automation
BP708TAEC3	AEC	Modern Techniques in Cellular Biology
BP708TAEC4	AEC	Medical Devices
BP708TAEC5	AEC	Transformation of Food Waste into Medicinal Products
BP708TAEC6	AEC	Biosimilars, Vaccines & Macromolecules

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**TABLE VIII: COURSE OF STUDY FOR SEMESTER VIII**

Course code	Course Type	Name of the course	No. of hours	Credit points	Continuous Internal Assessment (CIA)			End Semester Assessment Scheme		Total Marks
					Continuous Mode	Sessional Marks	Duration Hr	Marks	Duration Hrs	
BP801T	Core	Ethical Considerations and Translational Applications of AI in Pharmacy (Theory)	2	02	10	10	01	30	1.5	50
BP802T	Core	Clinical Pharmacotherapeutics (Theory)	2	02	10	10	01	30	1.5	50
BP803T	Core	Industrial Pharmacy and Facility Design (Theory)	3	03	15	15	01	45	02	75
BP804T	Core	Pharmaceutical Management (Theory)	2	02	10	10	01	30	1.5	50
BP805T	Core	Sterile Dosage Forms and Novel Drug Delivery System (Theory)	3	03	15	15	01	45	02	75
BP806T	Core	AEC – Elective 7 (Theory)	2	02	10	10	01	30	1.5	50
BP807P	Core	Pharmaceutical Marketing Skills (Practical)	2	01	10	10	03	30	03	50
BP808P	Core	Sterile Dosage Forms and Novel Drug Delivery System (Practical)	4	02	10	10	04	30	04	50
BP809P	Core	VAC – Elective 8 (Practical)	2	01	10	10	03	30	03	50
BP810RP	Core	Research Project	-	06	Refer Section 21	-	-	150	04	150
ACUSPV	VEC	Value Education Courses/ MOOCS / NPTEL/SWAYAM	Approx 3	-	-	-	-	-	-	-
EC408			22	23	100	100	16	200	24	650

Abbreviations: Course Abbreviation; Th = Theory; Pr = Practical; Int = Internal; Pr = Practical; Hrs = Hours; Cr = Credits; CIA = Continuous Internal Assessment; ESA = End Semester Assessment; PR = Practical Exam; OR = Oral Exam  
VEC: As per guidelines given with the course. Credits are not offered for Value education courses, so the same will not be reflected in the Mark sheet of the students. MOOCS-Massive Open Online Courses  
\*Non-University Examinations (NUE)

Course Code	Course Type	Course name
BP809P VAC1	VAC	Cleaning Validation
BP809P VAC1	VAC	Basic Training in Aseptic Handling Techniques

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## Multidisciplinary courses offered: "Drugs and Healthcare"

### List of Minors

Course Code	Name of Course	Teaching Scheme			Evaluation Scheme	
		SEM	Credits	Hours	CIA	ESA
USPDH101	Health and hygiene	II	2	2	20	30
USPDH102	Know your drugs	III	2	2	20	30
USPDH103	Complementary and alternative medicine	IV	2	2	20	30
USPDH104	Drug discovery	V	2	2	20	30
USPDH105	Forensic science	VI	2	2	20	30

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**AUDIT COURSES OFFERED TO SCHOOL OF PHARMACY**

Sr. No.	Name of Course	Hours/ week	Semester	Year
1	UHV I- Professional Ethics	2	I	F. Y. B. Pharm
2	Indian Knowledge System	2	II	F. Y. B. Pharm
3	UHV II- Understanding Harmony	2	III	S. Y. B. Pharm
4	Constitution of India	2	IV	S. Y. B. Pharm
5	Aptitude and Logical Reasoning	2	V	T. Y. B. Pharm
6	Artificial Intelligence for Pharmaceuticals	2	VI	T. Y. B. Pharm

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## ADD ON COURSES FOR B. PHARM EFFECTIVE FROM A. Y. 2025-26

### For First Year B. Pharm Semester-I

Sr. No.	Name of Course	Number of hours/week
1	Pharmacy Technician Fundamentals Specialization (Mandatory)	10
2	Vital Signs: Understanding What the Body Is Telling Us (Mandatory)	13
3	Introduction to Artificial Intelligence (AI) (mandatory)	13
4	Health Care IT: Challenges and Opportunities	13
5	Pre-Formulation	13
	<b>Total hours</b>	<b>62</b>

\* Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.

### For First Year B. Pharm Semester-II

Sr. No.	Name of Course	Number of hours/week
1	Introduction to Chemistry: Reactions and Ratios (Mandatory)	18
2	Computer Software Assurance (Mandatory)	15
3	Healthcare Marketplace	4
4	AI in Healthcare Specialization (mandatory)	12
5	Pharmacy Syringes, Compounding Medications, & Communication	11
	<b>Total hours</b>	<b>60</b>

\* Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.

  
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### For Second Year B. Pharm Semester-III

Sr. No.	Name of Course	Number of hours/week
1	Introduction to Cosmetic Science and Ingredients Specialization (Mandatory)	10
2	The Addicted Brain (Mandatory)	Approx. 21
3	Herbal Medicines (Mandatory)	Approx. 17
4	Pharmacokinetics	Approx. 10
5	Work Smarter with Microsoft Excel	Approx. 20
	<b>Total hours</b>	<b>78</b>

\* Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students

### For Second Year B. Pharm Semester-IV

Sr. No.	Name of Course	Number of hours/week
1	People and Soft Skills for Professional and Personal Success Specialization (Mandatory)	10
2	Medical Emergencies: CPR, Toxicology, and Wilderness (Mandatory)	Approx. 12
3	AI for Medicine Specialization (Mandatory)	10
4	Cosmetic Product Development	12
5	Introduction to Drug Hunting	10
	<b>Total hours</b>	<b>54</b>

\* Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.

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### For Third Year B. Pharm Semester-V

Sr. No.	Name of the Course	Number of hours/week
1	Quality Control and Regulatory in Cosmetic Science	10
2	Preclinical Safety	21*
3	Evaluations of AI Applications in Healthcare	17*
4	Targets, Assays & Screening	10*
5	Industrial Biotechnology	10*
<b>Total</b>	<b>Total Hours</b>	<b>68*</b>

\*Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.

### For Third Year B. Pharm Semester-VI

Sr. No.	Name of the Course	Number of hours/week
1	Intellectual Property in Healthcare Industry	18
2	Computer-Aided Drug Design (CADD)	15
3	Drug Discovery and Development with AI	4
4	Making Data Science Work for Clinical Reporting	12
5	Regulated Competition in Healthcare Systems: Theory & Practice	11
<b>Total</b>	<b>Total Hours</b>	<b>60</b>

\*Extra credit points are not allotted for the completion of courses.

# These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.



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**For Final Year B. Pharm Semester-VII**


Sr. No.	Name of the Course	Number of hours/week
1	Medical Billing and Coding Fundamentals Specialization	10
2	Clinical Research or Clinical trial	19*
3	Quality Assurance/Quality Control (QA/QC)	17*
4	Introduction to Medical Software	10*
5	Regulatory Affairs	19*
<b>Total</b>	<b>Total Hours</b>	<b>75 *</b>

\* Extra credit points are not allotted for the completion of courses.  
 # These offerings are subject to third part tie-up and hence depending on the same, they will be available for students.

**For Final Year B. Pharm Semester-VIII**

Sr. No.	Name of the Course	Number of hours/week
1	Nanotechnology Nanomedicine	09
2	Good with Words: Speaking and Presenting Specialization	10*
3	The social and technical context of health informatics	09*
4	Your Future Job in Medicine and Healthcare	12 *
5	Health Concepts in Chinese Medicine	10*
<b>Total</b>	<b>Total Hours</b>	<b>79*</b>

\* Extra credit points are not allotted for the completion of courses.  
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