

Scheme and Syllabus

M. Pharmacy Pharmaceutical Chemistry

Batch 2017 onwards



PTU

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By
Board of Studies Pharmacy
Department of Academics

First Semester

Course Code	Course Name	L	P	Marks			Credits
				Internal	External	Total	
MPC101T	Modern Pharmaceutical Analytical Techniques	4	-	25	75	100	4
MPC102T	Advanced Organic Chemistry -I	4	-	25	75	100	4
MPC103T	Advanced Medicinal Chemistry	4	-	25	75	100	4
MPC104T	Chemistry of Natural Products	4		25	75	100	4
MPC105P	Pharmaceutical Chemistry Practical I	-	12	50	100	150	6
-	Seminar/Assignment [#]	-	7	-	-	100	4
Total		16	19	150	400	650	26

- # Minimum five seminar/assignment each of 20 marks per semester

Second Semester

Course Code	Course Name	L	P	Marks			Credits
				Internal	External	Total	
MPC201T	Advanced Spectral Analysis	4	-	25	75	100	4
MPC202T	Advanced Organic Chemistry -II	4	-	25	75	100	4
MPC203T	Computer Aided Drug Design	4	-	25	75	100	4
MPC204T	Pharmaceutical Process Chemistry	4		25	75	100	4
MPC205P	Pharmaceutical Chemistry Practical II	-	12	50	100	150	6
-	Seminar/Assignment [#]	-	7	-	-	100	4
Total		16	19	150	400	650	26

- # Minimum five seminar/assignment each of 20 marks per semester

Third Semester

Course Code	Course Name	L	P	Marks			Credits
				Internal	External	Total	
MRM301T	Research Methodology & Biostatistics*	4	-	25	75	100	4
-	Journal Club	1	-	25	-	25	1
-	Discussion / Presentation (Proposal Presentation)	2	-	50	-	50	2
-	Research Work*	-	28	-	350	350	14
Total		7	28	100	425	525	21

- *Non -University Exam

Fourth Semester

Course Code	Course Name	L	P	Marks			Credits
				Internal	External	Total	
-	Journal Club	1	-	25	-	25	1
-	Research Work	-	31	-	400	400	16
-	Discussion/Final Presentation	3	-	75	-	75	3
-	Co-curricular Activities	-	-	Satisfactory/Unsatisfactory			2*
Total		4	31	100	400	500	22

**Note: Required credit points 02 for satisfactory; Less than 02 credit points unsatisfactory*

***Credits not included towards calculation of CGPA**

Semester Wise Credits Distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations & Other Scholarly Activities)	02*
Total Credit Points	93 + 2* = 95

- *Credit Points for Co-curricular Activities
- *Credits not included towards calculation of CGPA
- *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

Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points
Participation in National Level Seminar/ Conference/ Workshop/ Symposium/ Training Programs (related to the specialization of the student) OR Academic Award/Research Award from State Level/National Agencies	02
Participation in International Level Seminar/ Conference/ Workshop/ Symposium / Training Programs (related to the specialization of the student) #	02
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)*	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)*\$	02

- #International Conference held even in India will be considered for award of Credit Points.
- *Only those research / review publications will be considered which have been published during the tenure of M. Pharm. Course.
- \$ International Journal: The Editorial Board outside India.

Academic Work

The department / teaching staff of respective courses shall maintain a regular record of attendance in Theory, Practical, Seminar, Assignment, Journal Club, and Discussion with the supervisor, Research work presentation and Dissertation.

Program Committee

1. M. Pharm. Programme shall have a Programme Committee constituted by the Head of the Institution in consultation with all the Heads of the departments.
2. The composition of the Programme Committee shall be as follows:
 - a. A teacher at the cadre of Professor shall be the Chairperson
 - b. One Teacher from each M. Pharm. Specialization
 - c. Four student representatives (two from each academic year), nominated by the Head of the Institution
3. Duties of the Programme Committee:
 - a. Periodically review the progress of the classes.
 - b. Discuss the problems concerning curriculum, syllabus and the conduct of classes.
 - c. 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.

Sessional Exams

- ❖ Two sessional exams shall be conducted for each theory/practical course.
- ❖ The average marks of two sessional exams shall be computed for internal assessment.
- ❖ Sessional exam shall be **conducted for 30 marks** for theory and shall be **computed for 15 marks**.
- ❖ Sessional exam for practical shall be **conducted for 40 marks** and shall be **computed for 30 marks**.

Question Paper Pattern for Theory Sessional Examinations

Multiple Choice Questions (MCQs) OR Objective Type Questions (5 x 2) (Answer all the questions)	10 x 1 = 10 OR 05 x 2 = 10
Short Answers (Answer 2 out of 3)	2 x 5 = 10
Long Answers (Answer 1 out of 2)	1 x 10 = 10
Total	30 Marks

Question Paper Pattern for Practical Sessional Examinations

Synopsis	10
Experiments	25
Viva voce	05
Total	40 Marks

Internal Assessment

- ❖ The internal assessment will have two components i.e. **Continuous Mode** and **Sessional Exams**

1. Theory Courses having Internal of 25 Marks the scheme of internal award is:

- Sessional Exams: 15 Marks
- Continuous Mode: 10 Marks

Continuous Mode Scheme

Criteria	Maximum Marks
*Attendance (as per table given below)	08
Student – Teacher interaction	02
Total	10

2. Practical Courses having Internal of 50 Marks the scheme of internal award is:

- Sessional Exams: 30 Marks
- Continuous Mode: 20 Marks

Continuous Mode Scheme

Criteria	Maximum Marks
*Attendance (as per table given below)	10
Based on Practical Records, Regular viva voce, etc.	10
Total	20

***Guidelines for the Allotment of Marks for Attendance**

Percentage of Attendance	Theory (Maximum Marks 08)	Practical (Maximum Marks 10)
95 – 100	08	10
90 – 94	06	7.5
85 – 89	04	5
80 – 84	02	2.5
Less than 80	0	0