



Faculty of Pharmacy
Master of Pharmacy (M. Pharm.)
(W. E. F.: 2023-24)
Document ID: SUTEFPHM-01

Name of Faculty	:	Faculty of Pharmacy
Name of Program	:	Master of Pharmacy (M. Pharm)
Course Code	:	2MPH06
Course Title	:	Assignments/Seminars
Type of Course	:	Pharmaceutics
Year of Introduction	:	2023-24

Prerequisite	:	To have knowledge of Molecular pharmaceutics (NTDS), Advanced Biopharmaceutics and pharmacokinetics, Computer aided drug development & cosmetic science and cosmeceuticals
Course Objective	:	This course will discuss the following aspects of <ol style="list-style-type: none"> 1. Various approach for development of novel drug delivery 2. Criteria for selection of drugs and polymer for the development of system 3. The basic concept of biopharmaceutics and pharmacokinetics 4. Computer in preclinical development 5. Artificial intelligence and robotics 6. Key building blocks for various formulation
Course Outcomes	:	Upon successful completion of this course, the students will be able to
	CO1	Get knowledge on preformulation concept and optimization technique
	CO2	To learn computational modeling technique of drug
	CO3	To apprehend the importance of artificial intelligence, robotics and computational fluid dynamic automatization
	CO4	Obtain knowledge on design of cosmeceutical product and on formulation building block
	CO5	Students will be able to have better communication skill, confidence in the subject and to overcome the stage fear
	CO6	Enhance knowledge on advance technology in the field of formulation
	CO7	Developing presentation skills and developing power point presentation

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		Theory Marks		Practical Marks		Total Marks
00	00	07	C	SEE	CIA	SEE	CIA	
			04	00	00	75	25	

Legends: **L**-Lecture; **T**-Tutorial/Teacher Guided Theory Practice; **P** - Practical, **C** - Credit, **SEE** - Semester End Examination, **CIA** - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Assignment Content

Assignment No.	Topics	Teaching Hours	Weightage	Mapping with COs
1	Presentation related subject wise topics.	05	8.33%	CO1 CO2 CO5 CO6
2	Industry Visit and report making for various new combination for NDDS.	10	16.66%	CO2 CO3 CO4 CO6 CO7
3	Preparation and publication of research article in esteem journal.	30	50.00%	CO5 CO6 CO7
4	Poster presentation at National and International conferences	15	25.00%	CO5 CO6 CO7

Suggested conferences and seminars

Sr. No.	Details
1	Short term courses on Various softwares and guidelines of various countries for Dosage form design and patent application
2	National & International conferences on various novel drug delivery systems and regulatory requirements
3	Market survey and critical literature survey for latest drug delivery systems
4	Learning of softwares like CADD, Design Expert, Minitab and SPSS



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Suggested Distribution of Theory Marks Using Bloom's Taxonomy

Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	14.29	14.29	28.58	14.29	14.29	14.29

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Suggested Learning Websites

Sr. No.	Name of Website
1	https://pci.nic.in/pdf/Syllabus_B_Pharm.pdf
2	https://www.aicte-india.org/downloads/bpharma.pdf
3	https://www.ipc.gov.in/
4	https://www.ayush.gov.in/
5	https://ayudmla.gujarat.gov.in/home.php
6	https://www.fda.gov/
7	https://www.pharmacopoeia.com/
8	https://ipapharma.org/
9	https://gpat.nta.nic.in/
10	https://drnaitiktrivedi.com/
11	https://gdc4gpat.com/course/gpat/
12	https://niscpr.res.in/
13	https://delnet.in/
14	https://ihubgujarat.in/
15	https://www.ssipgujarat.in/
16	https://allconferencealert.net/topics/pharmacy.php