

Program	Master of Pharmacy (M.Pharm)	Semester - 2
Type of Course	-	
Prerequisite		
Course Objective	-	
Effective From A.Y.	2023-24	

Teaching Scheme (Contact Hours)					Exa	mination Sch	eme	
Lecture	Tutorial	Lab	Credit	Theory Marks		Practical Marks		Total
				External Marks (T)	Internal Marks (T)	External Marks (P)	Internal Marks (P)	Marks
-	-	12	6	-	-	100	50	150

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Suggested Distribution Of Theory Marks Using Bloom's Taxonomy					
Level	Analyze	Evaluate			
Weightage	30	70			

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.

Cours	se Outcomes			
At the	At the end of this course, students will be able to:			
C01	Ability to formulate different dosage forms and evaluate them for their quality.			
C02	Ability to conduct data analysis			

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List of Practical

tudy the effect of temperature change, non-solvent addition, incompatible polymer addition in microcapsules preparation aration and evaluation of Alginate beads nulation and evaluation of gelatin /albumin microspheres nulation and evaluation of liposomes/niosomes nulation and evaluation of spherules ovement of dissolution characteristics of slightly soluble drug by Solid dispersion technique.
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ovement of dissolution characteristics of slightly soluble drug by Solid dispersion technique.
parison of dissolution of two different marketed products /brands
ein binding studies of a highly protein bound drug & poorly protein bound drug
vailability studies of Paracetamol in animals.
macokinetic and IVIVC data analysis by Winnoline R software
tro cell studies for permeability and metabolism
Using Design Expert® Software
nulation data analysis Using Design Expert® Software
ity-by-Design in Pharmaceutical Development
puter Simulations in Pharmacokinetics and Pharmacodynamics
putational Modeling of Drug Disposition
evelop Clinical Data Collection manual
arry out Sensitivity Analysis, and Population Modeling.
elopment and evaluation of Creams
elopment and evaluation of Shampoo and Toothpaste base
ncorporate herbal and chemical actives to develop products
ddress Dry skin, acne, blemish, Wrinkles, bleeding gums and dandruff

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