SRI AUROBINDO INSTITUTE OF PHARMACY, INDORE (M.P.) COURSE OUTCOME

M.PHARM (PHARMACEUTICS)

M. PHARMACY (PHARMACEUTICS) I SEMESTER	
COURSE NAME & CODE	COURSE OUTCOME (COs)
	CO1. Knowledge of Chemicals and Excipients.
MPH 101T	CO2. The analysis of various drugs in single and combination dosage forms.
MODERN	CO3. Theoretical and practical skills of the instruments.
PHARMACEUTICAL	
ANALYTICAL	
TECHNIQUES	
	CO1. The various approaches for development of novel drug delivery systems.
MPH 102T	CO2. The criteria for selection of drugs and polymers for the development of
DRUG DELIVERY	delivering system
SYSTEMS	CO3. The formulation and evaluation of Novel drug delivery systems.
	CO1. The elements of preformulation studies.
MPH 103T	CO2. The Active Pharmaceutical Ingredients and Generic drug Product
MODERN	development
PHARMACEUTICS	CO3. Industrial Management and GMP Considerations.
	CO1. The Concepts of innovator and generic drugs, drug development process
MPH 104T	CO2. The Regulatory guidance's and guidelines for filing and approval process
REGULATORY AFFAIRS	CO3. Preparation of Dossiers and their submission to regulatory agencies in
	different countries
	PCO4. Most approval regulatory requirements for actives and drug products

M. PHARMACY (PHARMACEUTICS) II SEMESTER		
COURSE NAME & CODE	COURSE OUTCOME (COs)	
	CO1. The various approaches for development of novel drug delivery systems.	
MPH 201T	CO2. The criteria for selection of drugs and polymers for the development of	
MOLECULAR	NTDS	
PHARMACEUTICS (NANO	CO3. The formulation and evaluation of novel drug delivery systems	
TECHNOLOGY &		
TARGETED DDS) (NTDS)		
	CO1. The basic concepts in biopharmaceutics and pharmacokinetics.	
MPH 202T	CO2. The use raw data and derive the pharmacokinetic models and parameters the	
ADVANCED	best describe the process of drug absorption, distribution, metabolism and	
BIOPHARMACEUTICS &	elimination.	
PHARMACOKINETICS	CO3. The critical evaluation of biopharmaceutic studies involving drug product	
	equivalency.	
	CO4. The design and evaluation of dosage regimens of the drugs using	
	pharmacokinetic and biopharmaceutic parameters.	
	CO5. The potential clinical pharmacokinetic problems and application of basics of	
	pharmacokinetic	
	CO1. History of Computers in Pharmaceutical Research and Development	
MPH 203T	CO2. Computational Modeling of Drug Disposition	
COMPUTER AIDED DRUG	CO3. Computers in Preclinical Development and Computers in Market Analysis	
DEVELOPMENT	CO4. Optimization Techniques in Pharmaceutical Formulation	

	CO5. Artificial Intelligence (AI) and Robotics
	CO6. Computational fluid dynamics(CFD)
	CO1. Key ingredients used in cosmetics and cosmeceuticals.
MPH 204T	CO2. Key building blocks for various formulations.
COSMETICS AND	CO3. Current technologies in the market
COSMECEUTICALS	CO4. Various key ingredients and basic science to develop cosmetics and
	cosmeceuticals
	CO5. Scientific knowledge to develop cosmetics and cosmeceuticals with desired
	Safety, stability, and efficacy.

M. PHARMACY (PHARMACEUTICS) III SEMESTER	
COURSE NAME & CODE	COURSE OUTCOME (COs)
MRM 301T	CO1. Know the operation of M.S. Excel, SPSS, EPIINFO and SAS.
RESEARCH METHODOLOGY & BIOSTATICS	CO2. Know the various statistical techniques to solve statistical problems
	CO3. Appreciate statistical techniques in solving the problems.