



M.PHARMACY (PHARMACEUTICS)	
1st SEMESTER COURSEOUTCOMES	
Course Code: MPH101T	Course Name: Modern Pharmaceutical Analytical Techniques
MPH101.1	To know about chemicals and excipients.
MPH101.2	To know the analysis of various drugs in single and combination dosage forms.
MPH101.3	To learn theoretical and practical skills of the instruments..
Course Code: MPH102T	Course Name: Drug Delivery Systems
MPH102.1	To learn the the various approaches for development of novel drug delivery systems.
MPH102.2	To understand the criteria for selection of drugs and polymers for the development of delivering system.
MPH102.3	To understand the formulation and evaluation of Novel drug delivery systems.
Course Code: MPH103T	Course Name: Modern Pharmaceutics
MPH103.1	To understand the elements of pre-formulation studies.
MPH103.2	To know the active pharmaceutical ingredients and generic drug product development.
MPH103.3	To gain knowledge of industrial management and GMP considerations.
MPH103.4	To use optimization techniques and pilot plant scale up techniques.
MPH103.5	To understanding stability testing, sterilization process and packaging of dosage forms.
Course Code: MPH104T	Course Name: Regulatory Affairs
MPH104.1	The understand the concepts of innovator and generic drugs, drug development process.
MPH104.2	To learn regulatory guidance's and guidelines for filing and approval process.
MPH104.3	To understand the preparation of Dossiers and their submission to regulatory agencies in different countries.
MPH104.4	To gain knowledge about post approval regulatory requirements for actives and drug products.
MPH104.5	To understand the submission of global documents in CTD/ eCTD formats.
MPH104.6	To learn various clinical trials requirements for approvals for conducting clinical trials.
MPH104.7	To understand pharmacovigilance and process of monitoring in clinical trials.
Course Code: MPH105P	Course Name: Pharmaceutics Practical - I
MPH105.1	To learn analysis of Pharmacopoeial compounds and their formulations.
MPH105.2	To perform the dissolution of SR/CR dosage form.
MPH105.3	To learn the formulation of matrix tablet, osmotic pump and transdermal patch
MPH105.4	To learn and understand the effect of ingredients on tablet.
MPH105.5	To apply the various plots on given dissolution data.



M.PHARMACY (PHARMACEUTICS) 2nd SEMESTER COURSEOUTCOMES	
Course Code: MPH201T	Course Name: Molecular Pharmaceutics (NanoTech & Targeted DDS)
MPH201.1	To know the various approaches for development of novel drug delivery systems.
MPH201.2	To learn The criteria for selection of drugs and polymers for the development of NDDS.
MPH201.3	To understand The formulation and evaluation of novel drug delivery systems.
Course Code: MPH202T	Course Name: Advanced Biopharmaceutics & Pharmacokinetics
MPH202.1	To learn the basic concepts in biopharmaceutics and pharmacokinetics.
MPH202.2	To understand the use raw data and derive the pharmacokinetic models and parameters the best describe the process of drug absorption, distribution, metabolism and elimination.
MPH202.3	To learn the critical evaluation of biopharmaceutic studies involving drug product equivalency.
MPH202.4	To understand design and evaluation of dosage regimens of the drugs using pharmacokinetic and biopharmaceutic parameters.
MPH202.5	To apply the potential clinical pharmacokinetic problems and application of basics of pharmacokinetic.
Course Code: MPH203T	Course Name: Computer Aided Drug Delivery System
MPH203.1	To understand the history of Computers in Pharmaceutical Research and Development
MPH203.2	To learn computational Modeling of Drug Disposition
MPH203.3	To apply computers in Preclinical Development
MPH203.4	To use optimization Techniques in Pharmaceutical Formulation
MPH204.5	To use computers in Market Analysis and Clinical Development
MPH204.6	To learn about artificial Intelligence (AI), robotics and Computational fluid dynamics (CFD)
Course Code: MPH204T	Course Name: Cosmetics & Cosmeceuticals
MPH204.1	To learn about key ingredients used in cosmetics and cosmeceuticals.
MPH204.2	To understand various key ingredients and basic science to develop cosmetics and cosmeceuticals.
MPH204.3	To apply scientific knowledge to develop cosmetics and cosmeceuticals with desired Safety, stability, and efficacy.
Course Code: MPC205P	Course Name: Pharmaceutics Practical - II
MPH205.1	To learn the design and evaluations of Nano formulations.
MPH205.2	To use various software's for bioavailability and pharmacokinetic studies.
MPH205.3	To understand the working to DoE software's.
MPH205.4	To learn the design and evaluation of various cosmetic preparations.

M.PHARMACY (PHARMACEUTICS) 3rd SEMESTER COURSEOUTCOMES	
Course Code: MPH301T	Course Name: Research Methodology & Biostatistics
MPH301.1	To learn about various aspects of research.
MPH301.2	To apply the biostatistics in research.
MPH301.3	To understand the CPCSEA guidelines to use animals.
MPH301.4	To understand and apply the Declaration of Helsinki