

COURSE OBJECTIVES OF M.PHARM PHARMACY PRACTICE

CLINICAL PHARMACY PRACTICE (MPP101T)

- Understand the elements of pharmaceutical care and provide comprehensive patient careservices
- Interpret the laboratory results to aid the clinical diagnosis of various disorders
- Provide integrated,critically analyzed medicine and poison in formation to enable
- Health care professionals in the efficient patient management

PHARMACOTHERAPEUTICS-I (MPP102T)

Describe and explain the rationale for drug therapy

- Summarize the therapeutic approach for management of various disease conditions
- Including reference to the latest available evidence
- Discuss the clinical controversies in drug therapy and evidence based medicine
- Prepare individualized therapeuticplans based on diagnosis
- Identify the patient specific parameters relevant in initiating drug therapy, and
- Monitoring therapy(including alternatives,time-course of clinical and laboratory

HOSPITAL & COMMUNITY PHARMACY (MPP103T)

- Understand the organizational structure of hospital pharmacy
- Understand drug policy and drug committees

- Know about procurement & drug distribution practices
- Know the admixtures of radiopharmaceuticals
- Understand the community pharmacy management
- Know about value added services in community pharmacies

CLINICAL RESEARCH (MPP104T)

- Know the new drug development process.
- Understand the regulatory and ethical requirements.
- Appreciate and conduct the clinical trials activities
- Know safety monitoring and reporting in clinical trials
- Manage the trial coordination process

PRINCIPLES OF QUALITY USE OF MEDICINES (MPP201T)

- Know the benefits and risks associated with use of medicines
- Understand regulatory aspects of quality use of medicines
- Identify and resolve medication related problems
- Promote quality use of medicines
- Practice evidence-based medicines

PHARMACOTHERAPEUTICS II (MPP202T)

- Describe and explain the rationale for drug therapy
- Summarize the therapeutic approach for management of various disease conditions Including reference to the latest available evidence

- Discuss the clinical controversies in drug therapy and evidence based medicine
- Prepare individualized therapeutic plans based on diagnosis
- Identify the patient specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effect/s)

CLINICAL PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING (MPP203T)

- Design the drug dosage regimen for individual patients
- Interpret and correlate the plasma drug concentrations with patients' therapeutic outcomes
- Recommend dosage adjustment for patients with renal/hepatic impairment
- Recommend dosage adjustment for paediatrics and geriatrics
- Manage pharmacokinetic drug interactions
- Apply pharmacokinetic parameters in clinical settings
- Interpret the impact of genetic polymorphisms of individuals on pharmacokinetics and or pharmacodynamics of drugs

PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS (MPP204T)

- Understand the various epidemiological methods and their applications
- Understand the fundamental principles of Pharmacoeconomics.
- Identify and determine relevant cost and consequences associated with

pharmacy products and services.

- Perform the key Pharmacoeconomics analysis methods
- Understand the Pharmacoeconomic decision analysis methods and its applications.
- Describe current Pharmacoeconomic methods and issues.
- Understand the applications of Pharmacoeconomics to various pharmacy settings.