

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

COURSE OUTCOME

PHARM. D. (PB)

Pharm.D. (PB) IV Year	
COURSE NAME & CODE	COURSE OUTCOME (COs)
<p align="center">4.1 PHARMACOTHERAPEUTICS-III (THEORY)</p>	CO1. To understand the pathophysiology of selected disease states and the rationale for drug therapy.
	CO2. For understanding the therapeutic approach to the management of these diseases, the controversies in drug therapy, and the importance of preparation of individualized therapeutic plans based on diagnosis.
	CO3. Needs to 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 effects).
	CO4. To be able to describe the pathophysiology of selected disease states and explain the rationale for drug therapy.
	CO5. To summarize the therapeutic approach to management of these diseases including reference to the latest available evidence; to discuss the controversies in drug therapy.
<p align="center">4.2 HOSPITAL PHARMACY (THEORY)</p>	CO1. To understand know various drug distribution methods.
	CO2. To know the professional practice management skills in hospital pharmacies.
	CO3. To be able to provide unbiased drug information to the doctors.
	CO4. To know the manufacturing practices of various formulations in hospital set up, appreciate the practice based research methods; and appreciate the stores management and inventory control.
<p align="center">4.3 CLINICAL PHARMACY (THEORY)</p>	CO1. For monitoring drug therapy of patient through medication chart review and clinical review.
	CO2. To obtain medication history interview and counsel the patients.
	CO3. To identify and resolve drug related problems;, detect, assess and monitor adverse drug reaction, interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states; and retrieve, analyse, interpret and formulate drug or medicine information.
<p align="center">4.4 BIostatISTICS AND RESEARCH METHODOLOGY (THEORY)</p>	CO1. To develop the ability to apply the methods while working on a research project work.
	CO2. To describe the appropriate statistical methods required for a particular research design.
	CO3. For choosing the appropriate research design and develop appropriate research hypothesis for a research project.
	CO4. To develop a appropriate framework for research studies.
<p align="center">4.5 BIOPHARMACEUTICS AND PHARMACOKINETICS (THEORY)</p>	CO1. The subject knowledge will impart knowledge and skills of Biopharmaceutics and pharmacokinetics and their applications for pharmaceutical development, design of dose and dosage regimen.
	CO2. To be able in solving the problems arisen therein. Learning Outcomes Understand the basic concepts in biopharmaceutics and pharmacokinetics.

<p style="text-align: center;">4.6 CLINICAL TOXICOLOGY (THEORY)</p>	<p>CO1. It will educate students about the toxicological causes of various substances so that they become capable of diagnosing any surgical or medical emergencies that may arise out of them</p>
	<p>CO2. The clinical toxicology graduate (or postgraduate) is able to evaluate a poisoned patient and intervene immediately by picking up his critical conditions.</p>
	<p>CO3. To be able identify the possible toxicological cause(s) behind the case and decide on the further treatment protocol.</p>
<p style="text-align: center;">4.7 PHARMACOTHERAPEUTICS I & II (THEORY)</p>	<p>CO1. To understand the pathophysiology of selected disease states and the rationale for drug therapy.</p>
	<p>CO2. For understanding the therapeutic approach to the management of these diseases, the controversies in drug therapy, and the importance of preparation of individualized therapeutic plans based on diagnosis.</p>
	<p>CO3. Needs to 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 effects).</p>
	<p>CO4. To be able to describe the pathophysiology of selected disease states and explain the rationale for drug therapy.</p>
	<p>CO5. To summarize the therapeutic approach to management of these diseases including reference to the latest available evidence; to discuss the controversies in drug therapy.</p>

Pharm.D. (PB) V Year	
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5.1 CLINICAL RESEARCH (THEORY)	CO1. The subject knowledge will help in understanding understand clinical phenomena.
	CO2. Will provide the explanations for findings within the context of what is already known from the successes and failures of previous investigations.
5.2 PHARMACOEPIDEMOLOGY AND PHARMACOECONOMICS (THEORY)	CO1. Identify the applications of pharmacoepidemiology and pharmaco-economics in clinical settings.
	CO2. Discuss the various pharmaco-epidemiological outcome measures.
	CO3. Describe the concept of risk in pharmacoepidemiology and different methods of measuring risk.
	CO4. Explain the various pharmaco-epidemiological methods.
5.3 CLINICAL PHARMACOKINETICS AND PHARMACOTHERAPEUTIC (THEORY)	CO1. Formulate and design a dosage regimen for individual patients.
	CO2. Interpret and correlate the plasma drug concentration with patient's therapeutic outcomes.
	CO3. Recommend dosage adjustment in renal and hepatic disease.
	CO4. Recommend dosage adjustment for paediatrics, geriatrics and obese patients.
	CO5. Analyze and resolve pharmaco-kinetic drug interactions