

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm (Practice)

1st Year

Subject Name: Pharmacy Practice II

Subject Code: PP104TP

Scope: Practicing pharmacists have opportunity to provide various patient care services to improve the patient's health in community settings through counseling, health screening services, and other education programs. In hospital settings, pharmacists can ensure appropriate dispensing, education to patient, and provide all hospital pharmacy services including clinical pharmacy services such as drug information and ADR reporting

Objectives: Upon completion of the course student shall be able to

1. Understand the professional roles of pharmacists in community, hospital and clinical pharmacy areas.
2. Understand the professional responsibilities of the pharmacists.
3. Provide the intended services.

Course duration:

Learning: 40 hours of learning by blended mode of teaching. Blended teaching includes didactic and onsite learning.

Case Presentations: During the course each student should present **5 cases** covering the diseases prescribed in the syllabus.

Assignments: Each student should complete **two assignments** covering therapeutics and pharmacy practice concepts and will be evaluated at the time Final Examination

Sr No	Course Content	Hrs
1.	Hospital Pharmacy Stores Management Stores Management, Drug Purchase and Procurement, Inventory Control and GPP. Management of Material and Finance	4
2.	Drug Dispensing and Drug Distribution Drug distribution – various methods, individual order method, Floor Stock Method, Unit Dose Drug Distribution Method, Drug basket method, Distribution to ICCU/ICU/Emergency wards, Automated drug dispensing systems and devices , Distribution of Narcotic and Psychotropic substances , GPP associated with all these	8
3.	Central Sterile Supply Services	2
4.	Prescription and prescription handling Definition, Parts of prescriptions, good prescribing practices, legality of prescriptions, identification of drug related problems in prescriptions Prescription handling, labeling of dispensed medications (Main label, Ancillary label, pictograms), Medication usage instructions Good dispensing practices	5

	Drug Interactions (Drug-Drug, Drug-Food, Drug-Lab investigations) – types, interpretation and detection, prevention, Practice on market prescriptions, Use of drug interaction software’s PPIs – (Patient Package Insert) - Basic concept, Importance and beneficial use of PPIs. Scenario in India and other countries	
5.	Pharmaceutical Care Definition, principles and procedures of pharmaceutical care	2
6.	Patient Counseling Definition, various stages of patient counseling, barriers in counseling and strategies to overcome barriers in patient counseling. Patient information leaflets- definition, layout and design of PILs	4
7.	Health Screening Services Definition, scope, and uses of health screening services, procedures involved in screening blood pressure, capillary blood glucose, body mass index	4
8.	Interpretation of laboratory data <ul style="list-style-type: none"> a) Haematological, Liver function, Renal function, thyroid function tests b) Tests associated with cardiac disorders c) Fluid and electrolyte balance d) Microbiological culture sensitivity tests e) Pulmonary Function Tests 	10