

# GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm (Practice)

2<sup>nd</sup> Year

**Subject Name: Pathophysiology and Pharmacotherapeutics IV**

**Subject Code: PP201TP**

**Scope:** Practicing pharmacists will have opportunity to review the case notes or prescriptions in their practice setting and able to identify and resolve the drug related problems. This will ensure the improved patient care and decreases the unnecessary health care expenditure

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

1. Understand the anatomy and physiology of the respective system
2. Understand the disease process
3. Know the signs and symptoms of the disease.
4. Appreciate the various therapeutic regimens with their advantages and disadvantages

**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 Contents	Total Hrs
1	<b>Oncology:</b> Basic principles of Cancer therapy, General introduction to cancer chemotherapeutic agents, Chemotherapy of breast cancer, leukemia. Management of chemotherapy induced nausea and emesis	15
2	<b>Dermatology:</b> Pathophysiology and Pharmacotherapeutics of Psoriasis, Scabies, Eczema, Impetigo	7
3	<b>Women's Health</b> a) Physiology of Menstrual Cycle b) Contraception – Physical Methods, Chemical Methods, IUDs, and Permanent methods c) Disorders related to Menstrual Cycle – Polycystic ovary Syndrome, Dysmenorrhea, Premenstrual Syndrome d) Obstetric Drug Therapy – Trimesters of Pregnancy, Common complaints of Pregnancy and their management – nausea, vomiting, reflux esophagitis, Diabetes mellitus, Hypertension and Preeclampsia, FDA Categorisation of drugs in Pregnancy e) Menopause – signs and symptoms and Management	10
4	<b>Elements of anatomy and Physiology of Vision Etiopathogenesis, diagnostic techniques, clinical manifestations and pharmacotherapeutics of diseases associated with Eye such as</b> a) Glaucoma b) Infectious ophthalmic diseases	3