

Course Title:

322 PHL (Pharmacology)

Course description:

This course deals with the pharmacological actions, therapeutic uses, mechanism of action, adverse effects, contraindications and drug interaction of centrally acting drugs such as stimulants, sedative, hypnotics, anxiolytics, general anaesthetics, anti-epileptics, anti-emetics, anti-parkinsonians, anti-psychotics, opioid analgesics, anti-depressants, and anti-emetics.

It also covers the non-opioid analgesics, anti-pyretic, anti-inflammatory drugs, and others which are used for treatment of some skin diseases and diarrhea. The practical part of this course deals with some in-vivo experiments demonstrating the effects of the above mentioned drugs. It also includes some drug profiles to be presented by the students.

CNS stimulants: caffeine, strychnine, and picrotoxin. •

CNS depressants: thiopental, Phenobarbital, chloralhydrate, and chlorpromazine. •

Screening of anti-inflammatory drugs. •

Screening of local anesthetics. •

Screening of analgesic drugs. •

Books:

Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, and L. Michael Posey. Pharmacotherapy: A Pathophysiologic Approach. 6th edition. •

Bertram G. Katzung Basic and Clinical Pharmacology. 10th edition. •

H.P. Rang, M.M. Dale. Pharmacology. 6th edition. •

Michael J. Neal. Medical Pharmacology At A Glance. 4th edition. •

Richard Finkel, Michelle A. Clark, and Luigi X Cubeddu, Lippincott's Illustrated •

Reviews: Pharmacology. 4th Edition.

Labs Distribution:

Week 1	Introduction and Drug Profile Explanation
Week 3	Anti-inflammatory Drugs
Week 4	Local Anesthetics
Week 5	Drug Profile (1)
Week 6	Drug Profile (2)
Week 7	CNS Stimulants
Week 8	CNS Depressants
Week 9	Drug Profile (3)
Week 10	Drug Profile (4)
Week 11	Drug Profile (5)
Week 12	Analgesics
Week 13	Revision (1)
Week 14	Revision (2)
Week 15	Quiz

Week 16	Practical Exam
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Marks Distribution:

Practical exam	12 •
Quiz	6 •
Drug profile	10 •
Reports	2 •