

Pharmacology 4001
Pharmacology 4002

Instructor of Record: Leonard L. Naeger, Room 1446, (314)446-8477

Prerequisites: Physiology 3002, Microbiology 3002,
Biochemistry 3002

Enrollment Limitations: None

Course Objective: This course is designed to prepare the student to proficiently discuss the mechanism of action, side-effects, indications, contraindications, and drug interactions associated with pharmaceuticals used in the practice of medicine.

Course Outcomes: The successful student shall be able to:

- understand the mechanism of action of agents listed in the syllabus
- identify the side-effects of agents listed in the syllabus
- recall indications and contraindications of agents listed in the syllabus
- identify drug interactions
- suggest methods of minimizing or eliminating drug interactions
- evaluate drug effects in various pathological situations
- compare and contrast various drugs used for the same indication

Course Outline: Enclosed

Learning Resources: Recommended Textbooks:

Basic and Clinical Pharmacology, Katzung
9th Edition, 2004

2 Lectures/Week
4 Contact Hours/Week
4 Credit hours/Semester

St. Louis College of Pharmacy - Summer School Schedule - 2009

Date	Topic
May 18th	Absorption/Distribution
May 19th	Metabolism/Excretion
May 20th	Experimental Methods/Autonomic Nervous System
May 21st	Muscarinic Agonists, Esterase Inhibitors, Anticholinergics
May 22nd	Ganglionic Agents/Myoneural Blockers Adrenergicagonists
May 26th	Examination # I/ Review/Adrenergic Stimulants
May 27th	Adrenergic Antagonists/Calcium Channel Blockers
May 28th	ACE Inhibitors/Congestive Heart Failure
May 29th	Diuretics/Antihypertensives/Antiarrhythmics
June 1st	Examination II/Review/Anticoagulants
June 2nd	Antilipidemics/Analgesic Pathways/Aspirin
June 3rd	Acid/Base Balance/NSAIDs/COX-ii Inhibitors/APAP
June 4th	Narcotic/Gout/Migraine
June 5th	Arthritis/Nausea and Vomiting
June 8th	Examination III/Review/Hypothalamic Function
June 9th	Glucocorticoids/Mineralocorticoids/Estrogens/Androgens
June 10th	Estrogenic Replacements/Thyroid Disease
June 11th	Diabetes/Calcium Blanace/Ethanol
June 12th	Final Examination
	Second Semester
June 15th	CNS Pharmacology/Barbiturates/Benzodiazepines
June 16th	Antipsychotics/Antidepressants/Stimulants
June 17th	Anticonvulsants/Parkinson's Disease/ Muscle Relaxants
June 18th	Anesthetic Gas Laws/ General Anesthetics
June 19th	Preoperative Medications/Induction Anesthetics
June 22nd	Examination I/Review/Conscious Sedation
June 23rd	Muscle Relaxants/Reversing Agents
June 24th	Local Anesthetics/Anemias
June 25th	Vitamins/Minerals/Immune System and AIDS
June 26th	Introduction to Antibiotics/Sulfonamides
June 29th	Examination II/Review/penicillins
June 30th	Cephalosporins/Aminoglycosides/Quinolones
July 1st	Chloramphenicol/Erythromycin/Tetracyclines
July 2nd	Clincamycin/Metronidazole/Urinary Tract Antiseptics
July 3rd	Malaria/Protozoan Infections/Antiseptics/Disinfectants
July 6th	Examination III/ Review/ Antitubercular agents
July 7th	Antiviral Agents/Antineoplastic Agents/Bioerrorism
July 8th	Toxicology/ GI Drugs/Asthma
July 9th	Glaucoma/Dermatology/Herbals/Ototoxicity/Teratology
July 10th	Rinal Examination