



The Florida State University
College of Medicine

Pharmacology 201

SCHEDULE

BMS 6401

FALL 2010

Pharmacology 201

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Day/Date	Time	Topic	Faculty
Monday, 8/16	8:00-8:50	Introduction to the course (Objectives and ground rules of course; introduction to the discipline)	G. Patrick
Tuesday, 8/17	8:00-8:50	Pharmacokinetics: Drug Absorption and Distribution (Drug passage across membranes; ionization; routes of administration; body compartments)	G. Patrick
Thursday, 8/19	10:00-10:50	Pharmacokinetics: Drug Metabolism and Elimination (Hepatic metabolism; renal and other clearance)	G. Patrick
Thursday, 8/19	11:00-11:50	Pharmacokinetics: Drug Elimination	G. Patrick
Monday, 8/23	8:00-8:50	Pharmacodynamics: Receptor Theory and Signaling Mechanisms (Receptor types; second messengers)	G. Galasko
Tuesday, 8/24	11:00-11:50	Pharmacodynamics: Dose-Response Relationship (Dose-response curves; agonists and antagonists; potency and efficacy)	G. Galasko
Thursday, 8/26	9:00-9:50	Pharmacokinetic Principles: Time Course of Drug Action (Zero- and first order kinetics, half-life)	P. Treadwell
Thursday 8/26	10:00-10:50	Pharmacokinetics: Time Course of Drug Action (Drug accumulation, dosing regimens)	P. Treadwell

Day/Date	Time	Topic	Faculty
Monday, 8/30	10:00-10:50	Factors Modifying Drug Effects (Effects of size, age, pathophysiology, idiosyncrasy, tolerance, etc.)	G. Galasko
Tuesday, 8/31	9:00-9:50	Drug Evaluation and Regulation (Drug development, clinical trials, post-marketing surveillance, drug laws)	G. Patrick
Wednesday, 9/01	9:00-9:50	Conference: Evaluation of Drug Literature and Advertising (Experimental design, evidence-based evaluation)	G. Patrick/ G. Galasko
Friday, 9/03	10:00-10:50	Pharmacology in the Geriatric Patient (Body compartments, metabolic changes, pathophysiology, compliance issues, polypharmacy)	K. Brummel-Smith
Friday, 9/03	11:00-11:50	Placebo Effect; Herbal Products (Placebos, major herbal preparations, regulation of dietary supplements)	G. Patrick
Tuesday, 9/07	10:00-10:50	Conference: Review of General Principles	G. Patrick/ G. Galasko
Wednesday, 9/08	8:00-8:50	Introduction to Autonomic Pharmacology (Anatomy, neurotransmitters, receptor types)	G. Patrick
Friday, 9/10	8:00-12:00	EXAMINATION #1 (covers through 9/07)	
Tuesday, 9/14	10:00-10:50	Autonomics: Cholinergic Pharmacology (Cholinergic stimulants, cholinesterase inhibitors)	G. Galasko
Tuesday, 9/14	11:00-11:50	Autonomics: Cholinergic Drugs (Muscarinic blockers)	G. Galasko
Thursday, 9/16	9:00-9:50	Autonomics: Cholinergic Drugs (Nicotinic stimulants and blockers; neuromuscular blockers)	G. Galasko

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Monday, 9/20	8:00-8:50	Autonomics: Cholinergic Drugs	G. Galasko
Monday, 9/20	9:00-9:50	Autonomics: Adrenergic Drugs (Sympathomimetics – alpha and beta agonists)	G. Galasko
Tuesday, 9/21	9:00-9:50	Adrenergic Drugs (Alpha and beta blockers, drugs acting on sympathetic nerve endings)	G. Patrick
Wednesday, 9/22	8:00-9:50	Clinical Case(s) and Review: Autonomic Drugs (SMALL GROUPS - *with QUIZ)	Staff
Thursday, 9/23	10:00-10:50	Cancer Chemotherapy Principles (Cell cycle, resistance, log kill hypothesis)	G. Patrick
Thursday, 9/23	11:00-11:50	Biotherapy of Cancer (Gene therapies, antibodies, growth factors)	G. Patrick
Friday, 9/24	10:00-10:50	Antineoplastic Agents (Antimetabolites, antibiotics)	G. Patrick
Friday, 9/24	11:00-11:50	Antineoplastic Agents (Alkylating agents, microtubule inhibitors)	G. Patrick
Tuesday, 9/28	10:00-10:50	Immunopharmacology (Immunosuppressive agents)	S. Cappendijk
Tuesday, 9/28	11:00-11:50	Immunopharmacology (Immunosuppressants, immune stimulants)	S. Cappendijk
Wednesday, 9/29	8:00-12:00	Chemotherapeutic Principles (SMALL GROUPS - *with QUIZ)	Staff

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Friday, 10/08	8:00-12:00	EXAMINATION #2 (covers 9/08 through 9/29)	
Monday, 10/11	8:00-8:50	Principles of Antimicrobial Therapy	G. Galasko
Tuesday, 10/12	10:00-10:50	Antimicrobial Agents: Cell Wall Synthesis Inhibitors (Penicillins, cephalosporins, other beta-lactams)	G. Galasko
Tuesday, 10/12	11:00-11:50	Antimicrobial Agents: Protein Synthesis Inhibitors (Tetracyclines, macrolides, streptogramins, chloramphenicol)	G. Galasko
Wednesday, 10/13	8:00-8:50	Antimicrobial Agents: Aminoglycosides, Sulfonamides, Fluoroquinolones, etc.	G. Patrick
Wednesday, 10/13	9:00-9:50	Antimicrobial Agents: Fluoroquinolones, Miscellaneous	G. Patrick
Friday, 10/15	10:00-10:50	Antiviral Agents (Drugs for influenza, herpes infections)	P. Treadwell
Friday, 10/15	11:00-11:50	Antiviral Agents (Drugs for HIV infection)	P. Treadwell
Tuesday, 10/19	9:00-9:50	Antimicrobial Agents: Antitubercular and related drugs	G. Patrick
Thursday, 10/21	11:00-11:50	Antifungal Agents (Systemic and topical; azoles, amphotericin B, flucytosine)	G. Patrick
Friday, 10/22	10:00-10:50	Clinical Cases: Antimicrobial Agents	G. Patrick/ G. Galasko

Day/Date	Time	Topic	Faculty
Tuesday, 10/26	10:00-10:50	Antiparasitic Agents (Antimalarials, other antiprotozoal agents)	G. Galasko
Tuesday, 10/26	11:00-11:50	Antiparasitic Agents (Other antiparasitic, anthelmintic agents)	G. Galasko
Tuesday, 11/02	10:00-11:50	Clinical Cases: Antimicrobial Agents (SMALL GROUPS - *with QUIZ)	Staff
Friday, 11/05	8:00-12:00	EXAMINATION #3	
Tuesday, 11/09	10:00-10:50	Anti-Anginal Drugs (Nitrites, beta blockers, calcium channel blockers)	G. Patrick
Tuesday, 11/09	11:00-11:50	Lipid-lowering Drugs (Statins, niacin, absorption inhibitors, resins)	A. Johnson
Tuesday, 11/16	11:00-11:50	Cardiac Stimulants; CHF (Digitalis glycosides, diuretics, ACE inhibitors)	G. Patrick
Wednesday, 11/17	8:00-8:50	Antiarrhythmic Agents (Sodium channel blockers, beta blockers)	M. Overton
Wednesday, 11/17	9:00-9:50	Antiarrhythmic Agents (Calcium channel blockers, amiodarone)	M. Overton
Thursday, 11/18	10:00-10:50	Antihypertensive Agents (Beta blockers, diuretics, alpha-1 blockers, alpha-2 agonists)	A. Johnston
Thursday, 11/18	11:00-11:50	Antihypertensive Agents (ACE inhibitors, ARBs, direct vasodilators)	A. Johnson

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Friday, 11/19	8:00-8:50	Clinical Cases: Cardiovascular Drugs (SMALL GROUPS)	Staff
Monday, 11/29	10:00-10:50	Drugs for Asthma (Beta-2 agonists, corticosteroids, leukotriene blockers, mast cell stabilizers, theophylline, anticholinergics)	G. Galasko
Tuesday, 11/30	9:00-9:50	Miscellaneous Pulmonary Drugs (Cough suppressants, antihistamines, expectorants)	G. Patrick
Thursday, 12/02	10:00-10:50	Clinical Discussion: Pulmonary Antimicrobial Therapy	G. Patrick/ G. Galasko
Tuesday, 12/07	10:00-11:50	<i>INTEGRATED CASE PRESENTATION</i> (Cardiovascular and Pulmonary Case: LARGE GROUP)	Staff
Tuesday, 12/14	8:00-12:00	EXAMINATION #4	