

PHP 404
Principles of Pharmacology
(4 credit hours)

Lectures: Monday and Wednesday, 9:30-11:00 a.m.
(Please note that some classes will be held on a Friday.)
 Room 4-6912, Anders Conference Room

Course Description

Pharmacology is one of the vital disciplines in biomedical sciences. It employs the multidisciplinary knowledge in biochemistry, cell biology, chemistry, genetics, neuroscience, pathology, physiology, toxicology, and clinical medicine, to elucidate the mechanisms of action of drugs in treating human diseases. This course represents a collective endeavor of our faculty to the teaching of graduate and senior undergraduate students in UR. It focuses on the fundamental principles of pharmacology, neuropharmacology, cardiovascular pharmacology, and contemporary approaches to drug discovery and design.

Course Director	Telephone	Room Number	E-Mail
Dr. Suzanne N. Haber	5-4538	5-6518	suzanne_haber@urmc.rochester.edu
Course Lecturers			
Dr. Jean M. Bidlack	5-5600	4-8547	jean_bidlack@urmc.rochester.edu
Dr. Burns C. Blaxall	6-9791	211 Bailey Road	burns_blaxall@urmc.rochester.edu
Dr. Peter Ciancaglini	5-5547	B-3414	Peter_Ciancaglini@urmc.rochester.edu
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Dr. Suzanne N. Haber	5-4538	5-6518	suzanne_haber@urmc.rochester.edu
Dr. Paul Kammermeier	5-5606	4-5408A	paul_kammermeier@urmc.rochester.edu
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Dr. Alan V. Smrcka	5-0892	4-6530	alan_smrcka@urmc.rochester.edu
Dr. Haodong Xu	5-0857	G-5264G	haodong_xu@urmc.rochester.edu
Course Coordinator			
Laurie Gillette	5-1681	4-6433	laurie_gillette@urmc.rochester.edu

Faculty may be contacted directly, or by making an appointment through Laurie Gillette, the course coordinator. Laurie can also assist you with any administrative problems related to the course.

January 12, 2011

PHP 404
Principles of Pharmacology

Spring 2010 Schedule – 4 credit hours

9:30-11:00 a.m.

All classes are held in the Anders Conference Room (4-6912).

<u>Day/Date</u>	<u>Lecture Title</u>	<u>Lecturer</u>
Wednesday January 12	Dose-Response Relationships	Bidlack
Friday January 14	Receptors	Bidlack
Monday January 17	<i>No Classes—Martin Luther King Day</i>	
Wednesday January 19	Pharmacokinetics I	Ciancaglini
Friday January 21	Pharmacokinetics II	Ciancaglini
Monday January 24	Drug Interactions	Ciancaglini
Wednesday January 26	Pharmacogenetics	Patel
Monday January 31	Cardiac Arrhythmias	Xu
Wednesday February 2	Anti-arrhythmic Drugs	Xu
Monday February 7	Pharmacologic Therapy for Heart Failure	Blaxall
Wednesday February 9	Regulation of Fluid and Electrolytes	Krieger
Monday February 14	Regulation of Calcium Metabolism	Krieger
Wednesday February 16	EXAM I	
Monday February 21	Structure and Function of the Nervous System I	Haber
Wednesday February 23	Structure and Function of the Nervous System II	Haber

Monday February 28	Autonomic Pharmacology: Introduction	Smrcka
Wednesday March 2	Cholinergic Pharmacology I	Smrcka
Monday March 7	<i>No Class – all Ph.D. students must report to lab or office during this period.</i>	
Wednesday March 9	<i>No Class – all Ph.D. students must report to lab or office during this period.</i>	
Monday March 14	Cholinergic Pharmacology II	Smrcka
Wednesday March 16	Adrenergic Pharmacology I	Smrcka
Monday March 21	Adrenergic Pharmacology II	Smrcka
Wednesday March 23	Dopamine Pharmacology	Smrcka
Monday March 28	Autacoids	Smrcka
Wednesday March 30	EXAM 2	
Monday April 4	Neuropeptides and Other Neurotransmitters	Bidlack
Wednesday April 6	Pain Pathways and NSAIDS	Bidlack
Monday April 11	Opiates	Bidlack
Wednesday April 13	GABA and Glutamate	Kammermeier
Friday April 15	Drugs of Abuse: CNS Stimulants	Bidlack
Monday April 18	Drugs of Abuse: CNS Depressants	Bidlack
Wednesday April 20	Anticonvulsants	Gross
Friday April 22	Antidepressants and Antipsychotics	Gross
Wednesday May 4	EXAM 3	