

Day	Date	Lecture title	Hr	Lecturer
WINTER 2008				
01/28/2008				
PHC 7010 Introduction to Graduate Pharmacology				
Tue, Thu 11:00- 1:00 pm 3125 Scott Hall 4 credits				
A. Wakade and H.-Y. Wu, course directors				
A. GENERAL PRINCIPLES				
Tues	8-Jan	Introduction/Receptors, dose-response curves	1	Wakade/Yamazaki
		Receptor kinetics	1	Yamazaki
Thur	10-Jan	Absorption, distribution, elimination, drug safety	1	Yamazaki
		Drug metabolism	1	Lash
Tues	15-Jan	Pharmacokinetics I	1	Yamazaki
		Pharmacokinetics II	1	Yamazaki
		Total Block A	6	
B. AUTONOMIC PHARMACOLOGY				
Thur	17-Jan	Review of autonomic nervous system; Introduction to adrenergics	1	Wakade
		NE synthesis, storage, release	1	Wakade
Tues	22-Jan	Adrenergic agonists	1	Wakade
		Adrenergic antagonists	1	Wakade
Thur	24-Jan	Cholinergics: characterization of receptor signaling I	1	Mattingly
		Cholinergics: characterization of receptor signaling II	1	Mattingly
Tues	29-Jan	Muscarinic receptors and G proteins	1	Mattingly
		Nicotinic receptors; anticholinesterases	1	Mattingly
		Total Block B	8	
Thur	31-Jan	Examination for Blocks A and B (14 hr total)		
C. CENTRAL NERVOUS SYSTEM				
Tues	5-Feb	Pharmacogenomics	1	Lash
		Introduction to CNS agents	1	Kapatos
Thur	7-Feb	Sedative hypnotic agents	1	Kapatos
		Glutamate and GABA systems	1	Kapatos
Tues	12-Feb	Epilepsy	1	Bannon
		Movement disorders Parkinsonism	1	Bannon
Thur	14-Feb	Schizophrenia and hallucinogens	1	Andrade
		Local and general anesthetic agents	1	Tisdale
Tues	19 Feb	Antidepressants/Mood disorders	1	Artalejo
		Nociception and opiates	1	Schoener
Thur	21-Feb	Drug abuse 1	1	Schoener
		Drug abuse 2	1	Schoener
		Total Block C	12	
Tues	26-Feb	Examination for Block C (12 hr total)		
		Totals for Blocks A-C (IBS System Biology 2 credit course)	26	
D. CARDIOVASCULAR/RENAL PHARMACOLOGY				
Thur	28-Feb	Toxicology I	1	Lash
		Toxicology II	1	Lash
Tues	4-Mar	Renal function	1	McCauley
		Vasodilators	1	McCauley
Thur	6-Mar	Hypertension	1	Wakade
		Cardiac agents	1	Wakade
Tues	11-Mar	Spring Break		
Thur	13-Mar	Spring Break		
Tues	18-Mar	Cardiac agents Heart failure	1	McCauley
		Cardiac agents Angina	1	McCauley
Thur	20-Mar	Coagulation, thrombolytics	1	Yamazaki
		Lipid lowering agents	1	Yamazaki
		Total Block D	10	
E. INFLAMMATION AND ENDOCRINE PHARMACOLOGY				
Tues	25-Mar	Antiinflammatory agents I	1	McCauley
		Antiinflammatory agents II	1	McCauley
Thur	27-Mar	Histamine/antihistamines	1	Terlecky

		Thyroid	1	Davis
Tues	1-Apr	Adrenal steroids	1	Wu
		Gonadal steroids	1	Wu
Thur	3-Apr	Diabetes and obesity I	1	Davis
		Diabetes and obesity II	1	Davis
		Total Block E	8	
		F. CHEMOTHERAPY		
Tues	8-Apr	HIV treatment/Anticancer I	1	Matherly
		Anticancer agents II	1	Matherly
Thur	10-Apr	Anticancer agents III	1	Matherly
		Anticancer agents IV	1	Matherly
Tues	15-Apr	Introduction to chemotherapy: Antimicrobials, beta-lactams	1	Wu
		Inhibitors of protein synthesis and DNA function	1	Wu
Thur	17-Apr	Antifolates, antifungals, antivirals, antiparasitics	1	Wu
		Immunosuppressives	1	Terlecky
		Total Block F	8	
Thur	24 Apr	11:00-2:00 pm Final examination covers Blocks D-F (26 hrs)	26	
		Totals for course	52	