

Fundamentals of Pharmacology 623

Mon	10/14	Drug Metabolism: Phase 1 and Cytochrome P450s	Song
Tues	10/15	Drug Metabolism: Phase II	Song
Wed	10/16	Drug Metabolism: Selected reading(s)	Song
Thurs	10/17	Introduction to kinetics	Field
Mon	10/21	Enzymes: Michaelis-Menton kinetics	Penning
Wed	10/23	Enzymes: Reversible enzyme inhibitors	Penning
Thurs	10/24	Bisubstrate reactions	Penning
Mon	10/28	Transition state analogs	Penning
Tues	10/29	Irreversible enzyme inhibitors	Penning
Wed	10/30	Suicide substrates	Penning
Mon	11/4	Nuclear Hormone receptors as drug targets	Penning
Tues	11/5	Problem Set in Class	Penning
Wed	11/6	Non-traditional therapeutic modalities of in drug development	Amatullah
Thurs	11/7	Cellular Therapies	June
Mon	11/11	Pharmacogenetics and Pharmacoepigenetics	Amatullah
Tues	11/12	Review: <i>enzymes and metabolism</i>	Song/Penning
Wed	11/13	no class	
Thurs	11/14	EXAM: (8:30 am-11:30 am)	Penning/Song
Mon	11/18	Pharmacokinetics: Volume of Distribution, Clearance, Half-life	Robinson
Wed	11/20	Pharmacokinetics: Absorption, Bioavailability	Robinson
Thurs	11/21	Pharmacokinetics: Clinical Pharmacokinetics and Variability	Robinson
Mon	11/25	Pharmacokinetics: computational pharmacokinetics	Stefanovski
Tues	11/26	Pharmacokinetics: problem session	Robinson
Wed	11/27	No class Thanksgiving	
Thurs	11/28	No class Thanksgiving	
Mon	12/2	Immune systems	Song
Tues	12/3	Immune Checkpoints	Posey
Wed	12/4	Pk/PD of biologic drugs	Wherry
Thurs	12/5	Drug Development	Santiago-Walker
Mon	12/9	Biotherapeutics and targeted drug delivery	Muzikantov
Tues	12/10	Intracellular delivery	Muzikantov
Wed	12/11	Gene Therapy	Chung
Thurs	12/12	EXAM: (8:30 am-11:30 am)	