

PHM 390N: INTEGRATED BASIC AND APPLIED PHARMACOKINETICS
Spring 2017 – Unique #60645

Date		Topic	Instructor	Book Chapter	In-class Quiz	HW assigned	
January	17	Intro, Math review and PK Tools	Watts	1,2			
	19	Distribution Phenomenon, Clearance Concepts	Watts	3,4			
	24	Intravenous Bolus	Watts	5	Quiz 1		
	26	Intravenous Infusion	Watts	7		HW 1 (review 2/7*)	
	31	Clinical Case - Intravenous Loading Dose & One-Time Bolus	Duhon				
February	2	Renal Clearance	Watts	11	Quiz 2		
	7	Clinical Case - Measuring & Estimating Creatinine Clearance	Koeller				
	9	Hepatic Clearance	Watts	9		HW 2 (review 2/14*)	
	14	Clinical Case - Drug dosing in Hepatic Dysfunction	Ryan				
	16	Metabolic Kinetics and Clearance Review	Watts	10	Quiz 3		
	21	Extravascular Administration and Bioavailability	Watts	6			
	23	Extravascular Administration and Bioavailability	Watts	6		HW 3 (review 2/28*)	
	28	Clinical Case - Continuous IV Infusion	Duhon				
March	2	Fundamentals Review EXAM 1 7-10 PM	Watts				
	7	Intro to Multiple Dosing	Watts	8	Quiz 4		
	9	NO CLASS					
	14	SPRING BREAK					
	16	SPRING BREAK					
	21	Clinical Case - Drug Dosing in Renal Dysfunction & with Dialysis	Koeller				
	23	Multiple Dosing	Watts	8			

	28	Multiple Dosing	Watts	8		HW 4 (review 3/30*)
	30	Clinical Case - Multiple IV Bolus	Hand			
April	4	Multi-Compartment Models	Watts	12	Quiz 5	HW 5 (review 4/11*)
	6	Clinical Case – Cardiac Kinetics	Chen			
	11	Clinical Case - Multiple Intermittent Infusions	Hand			
	13	Non-Linear	Watts	13	Quiz 6	HW 6 (review 4/18*)
	18	Clinical Case - Non-Linear	Karboski			
	20	Clinical Case - Pharmacokinetics of Psychotropics	Saklad			
	25	Clinical Case - Drug Interactions	Lam			
	27	Clinical Case - Genetic Polymorphism and Drug Dosing EXAM 2 7-10 PM	Ryan			
May	2	Pharmacodynamics Basics	Watts	14		
	4	Pharmacodynamics Basics	Watts	14	Quiz 7	
	16	FINAL EXAM 9am-12pm				

* Reviews held prior to class (8:30am – 9:30am) in PHR 3.106 on days denoted