

PHAR 5014 Integrated Physiology and Therapeutics
TENTATIVE Fall 2016 CLASS SCHEDULE
Tuesday and Thursday 1:00 to 3:00 PM

WEEK	DATE	TOPIC	Instructor
Week 1	8/9/16	CV System Overview	Bopassa
	8/11/16	Concept of Sufficient Blood Flow – The Fick Principle	Bopassa
Week 2	8/16/16	Cardiac Electrophysiology/Cardiac Cycle	Bopassa
	8/18/16	Control of Cardiac Output	Bopassa
Week 3	8/23/16	Regulation of Coronary Blood Flow	Bopassa
	8/25/16	Pharmacological Management: Cardiac Arrhythmias (Primarily Atrial Fibrillation), Angina Pectoris, Heart Failure	Lam
Week 4	8/30/16	Peripheral Vascular Control & Blood Pressure Regulation	Bopassa
	9/1/16	Neural mechanisms in Cardiovascular Regulation	Bopassa
Week 5	9/6/16	Integrative CV Function During Exercise & Hemorrhage	Bopassa
	9/8/16	Urinary System Overview	Pugh
Week 6	9/13/16	Glomerular Filtration & Renal Blood Flow Regulation	Pugh
	9/15/16	Transport of Na ⁺ and Cl ⁻ /Transport of Acids/Bases	Pugh
Week 7	9/20/16	Integration of Salt and Water Balance	Pugh
	9/22/16	Arterial Hypertension: Consensus, Controversy and Pharmacological Management	Bopassa / Pugh/Lam
Week 8	9/27/16	Respiratory System Overview	Paukert
	9/29/16	Review/Catch up/Self-Study	Lam
Week 9	10/4/16	Ventilation & Perfusion of the Lungs /O ₂ & CO ₂ Transport in Blood	Paukert
	10/6/16	Pharmacological Management of Asthma	Lam
Week 10	10/11/16	Pulmonary Gas Exchange/Respiratory Control of Acid/Base Balance	Paukert
	10/13/16	Respiratory Rhythmogenesis and Neural Control of Respiration	Paukert
Week 11	10/17/16	Exam	Lam
	10/18/16	Overview of the gastrointestinal system and digestion	Hornsby
	10/20/16	Normal functions of the stomach (acid production), the small intestine, the large intestine	Hornsby
Week 12	10/25/16	Neural and hormonal control of gastrointestinal functions; control of motility, peristalsis, vomiting	Hornsby
	10/27/16	Gastrointestinal pharmacology	Lam
Week 13	11/1/16	Pharmacology literature source	Lam
	11/3/16	Pharmacology literature evaluation	Lam
Week 14	11/8/16	Obesity and metabolic complications and pharmacological management	Nelson/Clarke
	11/10/16	Thyroid	Nelson/Clarke
Week 15	11/15/16	Hyperglycemia	DeFronzo
	11/17/16	Regulation of glucose metabolism	Norton
Week 16		Thanksgiving Break	
Week 17	11/29/16	Adrenal	Nelson/Clarke
	12/1/16	Male reproduction	Nelson/Clarke
Week 18	12/6/16	Reading pharmacology literature	Lam
	12/8/16	Student presentation	Lam
Week 19	12/13/16	Female reproduction	Nelson/Clarke

