

CAMB 532 HUMAN PHYSIOLOGY

Fall 2011 **Mon, Weds, Fri, 9:00-10:30am**
Directors: **Dr Kevin Foskett and Dr Todd Lamitina**

Membrane Electrophysiology & Nervous System			
Sept 12	BRB252	Dr. Hoshi	Action Potentials/ Voltage-gated Ion Channels
Sept 14	BRB252	Dr. Hoshi	Synaptic Transmission and Ligand-gated Ion Channels
Sept 16	BRB252	Dr. Thomas	Nervous System
Sept 19	BRB252	Dr. Thomas	Central Nervous System
Sept 21	BRB252	Dr. Thomas	Peripheral Nervous System
Sept 23	EXAM 1		
Endocrine Systems			
Sept 26	BRB252	Dr Birnbaum	Intro to Endocrinology; Pituitary 1
Sept 28	BRB252	Dr Birnbaum	Pituitary 2
Sept 30	BRB252	Dr Birnbaum	Thyroid, Adrenal
Oct 3	BRB252	Dr Birnbaum	Metabolism and Diabetes
Reproductive Physiology			
Oct 5	BRB252	Dr. Lamitina	
Oct 7	BRB252	Dr. Lamitina	
Oct 10	BRB252	Dr. Lamitina	
Digestive System			
Oct 12	BRB252	Dr Foskett	Organization of the Digestive System
Oct 14	EXAM 2		
Oct 17	BRB252	Dr Foskett	Mouth to Stomach, Gastric Function
Oct 19	BRB252	Dr Foskett	Pancreas and Hepatobiliary System
Oct 21	BRB252	Dr Foskett	Intestinal Functions
Muscle Physiology			
Oct 24	BRB252	Dr. Ostap	Contractile Proteins
Oct 26	BRB252	Dr. Ostap	Muscle Contraction
Oct 28	BRB252	Dr. Baylor	Skeletal and Cardiac Muscle Signaling
Oct 31	BRB252	Dr. Sweeney	Smooth Muscle
Nov 2			NO CLASS
Nov 4	EXAM 3		
Cardiovascular System			
Nov 7	BRB252	Dr. Hirshfeld	Organization; Arteries & Veins; the Microcirculation
Nov 9	BRB252	Dr. Margulies	Electrophysiology and the EKG; the Heart as a Pump
Nov 11	BRB252	Dr. Margulies	Regulation of Arterial Pressure and Cardiac Output

Nov 14	BRB252	Dr. Hirshfeld	Special Circulations; Integrated Control
Respiratory System			
Nov 16	BRB252	Dr Grippi	Functional Anatomy and Respiratory Mechanics
Nov 18	BRB252	Dr Grippi	Ventilation, Perfusion, and Gas Exchange
Nov 21	BRB252	Dr Grippi	Oxygen and Carbon Dioxide Transport
Nov 23	BRB252	Dr Grippi	Control of Respiration
Nov 25			NO CLASS
Integrative Physiology			
Nov 28	BRB252	Dr Khurana	Physiological Responses to Exercise
Nov 30	BRB252	Dr Khurana	Physiological Responses to Altitude and Temperature
Dec 2	EXAM 4		
Renal System			
Dec 5	BRB252	Dr Civan	Organization of the Kidney and Glomerular Filtration
Dec 7	BRB252	Dr Civan	Renal Regulation of Sodium Balance
Dec 9	BRB252	Dr Civan	Renal Regulation of Potassium and Acid Balance
Dec 12	BRB252	Dr Civan	Renal Regulation of Water Balance
Dec 14	EXAM 5		

5/8/08