

**CAMB 532
HUMAN PHYSIOLOGY**

Fall 2019 Mon, Weds, Fri, 9:00-10:30am
BRB 252
Directors: Dr's Tejvir S. Khurana, Paul M. Titchenell & Ben Prosser

Membrane Physiology

Aug. 28	BRB252	Dr. Hoshi	Action Potentials/Voltage-gates Ion Channels
Aug. 30	BRB252	Dr. Hoshi	Synaptic Transmission and Ligand-gated Ion Channels

Sept. 2 *No class (Labor Day)*

Nervous System

Sept. 4	BRB252	Dr. Thomas	Nervous System
Sept. 6	BRB252	Dr. Thomas	Central Nervous System
Sept. 9	BRB252	Dr. Thomas	Peripheral Nervous System

Muscle Physiology

Sept. 11	BRB252	Dr. Ostap	Contractile Proteins and Striated Muscle-1
Sept. 13	BRB252	Dr. Ostap	Striated Muscle-2
Sept. 16	BRB252	Dr. Ostap	Smooth Muscle

Cardiovascular System

Sept. 18	BRB252	Dr. Prosser	Cardiac and Skeletal Muscle Signaling
Sept. 20	BRB252	Dr. Margulies	Myocardial Physiology and Cardiac Pump Function
Sept. 23	BRB252	Dr. Margulies	Vascular Physiology
Sept. 25	BRB252	Dr. Margulies	Cardiovascular Integration
Sept. 27	<i>Self Study</i>		

Sept. 30 *Exam 1 (Membranes, Neuro, Muscle, Cardiovascular)*

Renal System (Section #1)

Oct. 2	BRB252	Dr. Leonberg-Yoo	Organization of the Kidney and Glomerular Filtration
Oct. 4	BRB252	Dr. Leonberg-Yoo	Renal Regulation of Sodium Balance
Oct. 7	<i>Self Study</i>		

Oct. 9 & 11 *No class (Fall Break)*

Respiratory System

Oct. 14	BRB252	Drs. Frank/Dysart	Lung Mechanics and Pulmonary Function Tests
Oct. 16	BRB252	Drs. Frank/Dysart	Ventilation and Perfusion
Oct. 18	BRB252	Drs. Frank/Dysart	Gas Exchange and Transport

Endocrine Physiology

Oct. 21	BRB252	Dr. Titchenell	Neuroendocrinology
Oct. 23	BRB252	Dr. Titchenell	Thyroid; Adrenal
Oct. 25	BRB252	Dr. Titchenell	Glucose Homeostasis; Insulin Signaling

Integration

Oct. 28	BRB252	Dr. Khurana	Integrative Responses to Exercise
Oct. 30	BRB252	Dr. Khurana	Integrative Responses to the Environment

Renal System (Section #2)

Nov. 1	BRB252	Dr. Hilburg	Renal Regulation of Potassium and Acid Balance
Nov. 4	BRB252	Dr. Hilburg	Renal Regulation of Water Balance
Nov. 6	Self Study		
Nov. 8	Exam 2 (Endocrine, Respiratory, Integration, Renal)		

Nov. 11 **No Class**

Sensory System

Nov. 13	BRB252	Dr. Genovese	Olfactory System
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Digestive System

Nov. 15	BRB252	Dr. Foskett	GI Tract Structure and Motility/Absorption
Nov. 18	BRB252	Dr. Foskett	The Integrated Response to a Meal
Nov. 20	BRB252	Dr. Foskett	Liver Physiology

Reproductive Physiology

Nov. 22	BRB252	Dr. Dokras	Fertilization
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Nov. 25-29 **No Classes (Thanksgiving Break)**

Dec. 2	BRB252	Dr. Mainigi	Female Reproductive Physiology
Dec. 4	BRB252	Dr. Masson	Male Reproductive Physiology

Dec. 6 **Self Study**

Dec. 9 **Exam 3 (Digestive, Reproductive)**