

**PHYSO 101 – HUMAN PHYSIOLOGY  
– SPRING 2020 TTH Lec –  
T Lab (sec 9264) / TH Lab (sec 9263)**

[Synopsis of Physiology \(PDF\)](#)

[Synopsis of Physiology \(MOBILE\)](#)

[Laboratory Exercises \(PDF\)](#)

[Course Description](#)

<b>Date</b>	<b>Lecture Topic (Ward - Synopsis of Physiology) 10:20A-11:45A; MSCC room 227; Starting March 19, 2020, online/remote</b>	<b>Chp (#)</b>	<b>Laboratory (Ward - Laboratory Exercises) 11:55A-3:00PMSCC room 210; Starting March 19, 2020, online/remote</b>	<b>Lab #</b>
Jan 14 T week 1	Introduction: What is Physiology? Communication, Control and Homeostasis	(1)	Diagramming Regulatory Systems	1
Jan 16 TH	Physiology and Biological Chemistry	(2)	Metric System	2
Jan 21 T week 2	Cellular Reactions, Enzymes and Nucleotides	(3)	Biomolecular Modeling	3
Jan 23 TH	DNA, RNA and Protein Synthesis Cell	(4)	DNA, RNA, and Protein Synthesis	4
Jan 28 T week 3	<b>Exam # 1 SCC room 227; 10:20A-11:15A (Text chp 1-4; Lab # 1-4)</b> Cell Membrane Transport	(5)	Cell Membrane Transporters [text chp (5)]	Dis
Jan 30 TH	Cellular Signaling and Cellular Receptors	(6)	Membrane Permeability and Transport, pt 1	5
Feb 04 T week 4	Neuron physiology and Neural Signaling	(7)	Synaptic Integration	7
Feb 06 TH	Organization of General Sensory Neurons	(8)	Somatosensory Psychophysics	8
Feb 11 T week 5	<b>Exam # 2 SCC room 227; 10:20A-11:15A (Text chp 5-8; Lab # 5,7,8)</b> Special Sensory Neurons - Hearing	(9)	Vision	10
Feb 13 TH	Special Sensory Neurons - Vision	(9)	Visual Fields and Visual Pathways	11

Feb 18 T week 6	Muscle Contraction	(11)	Grip Strength and Electromyogram (EMG)	12
Feb 20 TH	Somatic Motor Neurons and Control of Movement	(12)		
Feb 25 T week 7	<b>Exam # 3 SCC room 227; 10:20A-11:15A (Text chp 9,11,12; Lab # 10-12)</b> Autonomic Motor Neurons	(13)	Autonomic Control of Internal Organs [text chp (13)]	Dis 13
Feb 27 TH	Hormones, and Control of Internal Organs Adrenal Medulla, Pancreas, Parathyroid	(14)	Autonomic Pathways	
Mar 03 T week 8	Hypothalamus, Pituitary, Adrenal Cortex, Thyroid	(15)	Endocrinology (PhysioEx™ 9.0, Ex 4, Activity 1-2)	14
Mar 05 TH	Hormones and Control of Internal Organs	(14) (15)	Activity 3-4)	15
Mar 10 T week 9	<b>Exam # 4 SCC room 227; 10:20A-11:15A (Text chp 13-15; Lab # 13-14)</b> Cardiac Pumping and Cardiac Output	(16)	Exercise, Electrocardiogram (ECG) and Peripheral Circulation ( <b>turn in via Canvas</b> )	17
Mar 12 TH	Cardiac Pumping and Cardiac Output	(16)		
Mar 17 T week 10	<b>CoVid-19 Closure</b>		Blood Pressure and Cardiovascular Reflexes ( <b>Canvas</b> )	18
Mar 19 TH	<b>Quiz_14 (Canvas)</b> Blood Vessels and blood flow ( <b>ConferZoom</b> )	(17)	Blood Analysis ( <b>Canvas</b> )	19
Mar 24 T week 11	<b>Quiz_15 (Canvas)</b> Blood and Microcirculation ( <b>ConferZoom</b> )	(18)	Respiratory System and Spirometry ( <b>Canvas</b> )	20
Mar 26 TH	<b>Exam # 5; 10:20A-11:45A (Canvas) (Text chp 16-18; Lab # 15-19)</b>		Respiratory Control ( <b>Canvas</b> )	21
Mar 31 T week 12	<b>Quiz_16 (Canvas)</b> Ventilation, Gas Exchange, and Gas transport ( <b>ConferZoom</b> )	(19)	Urine Composition and Fluid Balance ( <b>Canvas</b> )	22
Apr 02 TH	<b>Quiz_17 (Canvas)</b> Renal Filtration and Urine Formation ( <b>ConferZoom</b> )	(20)		

Apr 07 T week 13	Quiz_18 (Canvas) Fluid, Electrolyte, and Acid-Base Balance (ConferZoom)	(21)	Solutions and Osmolarity (Canvas)	23
Apr 09 TH	Exam # 6; 10:20A-11:45A (Canvas) (Text chp 19-21; Lab # 20-22)			
Apr 14 T week 14	Quiz_19 (Canvas) Digestion and Nutrient Absorption (ConferZoom)	(22)	Glucose Monitoring and Homeostasis (Canvas)	26
Apr 16 TH	Quiz_20 (Canvas) Absorptive and Post-absorptive Metabolism (ConferZoom)	(23)		
Apr 21 T week 15	Quiz_21 (Canvas) Control of Reproductive Organs (ConferZoom)	(24)	Summaries of Articles (Canvas)	Dis
Apr 23 TH	Exam # 7; 10:20A-11:45A (Canvas) (Text chp 22-24; Lab # 23, 26)			
Apr 28 T	Final Exam; 10:00A-12:50P (Canvas) (From Scantron part of exams 1- 6)			