

Human Physiology, Spring Semester Lecture/Lab Schedule, 2019

*This schedule is **tentative** and subject to amendment.*

Week	Lecture Topic	Text	Lab Topic
1 (1/21)	Introduction; Body Organization; Homeostasis	Ch 1	Lab Organization/Blood Tests Data Management/Graphing
2 (1/28)	Chemical Composition of the Body Enzymes and Energy <u>Last day to drop without record 2/1</u>	Ch 2 Ch 4	Characteristics of Enzymes
3 (2/4)	Cell Structure, Function, and Genetic Control Membrane Transport	Ch 3 Ch 4 Ch 5	Fundamental Physiological Principals/Membrane transport Blood Tests Part I
4 (2/11)	Endocrine System Exam 1 – Thursday Ch 1,2,3,4,5,	Ch 7 Ch 6, 8	Human Genetics Electrophoresis lab
5 (2/18)	Neurons, Membrane potentials, Neurotransmitters	Ch 5 Ch 13	Equipment Use / Vivisection PhysioEx Frog
6 (2/25)	Muscle: Mechanisms of Contraction	Ch 12	Skeletal Muscle Contraction
7 (3/4)	Central Nervous System Autonomic Nervous System	Ch 9 Ch 11	Electroencephalogram / Biofeedback
8 (3/11)	Sensory Physiology	Ch 10	Sensory / Reflex Physiology
9 (3/18)	Cardiovascular System: Heart Exam 2 – Thursday Ch 7,8,9,11,12,13	Ch 14	Electrocardiology: ECGs
10 (3/25)	Cardiovascular System: Blood Flow/Pressure, Blood	Ch 15 Ch 16	Cardiophonics/Blood Pressure Blood Typing
11 (4/1)	Respiratory System	Ch 17 Ch 18	Pulmonary Function Clinical spirometry
12 (4/8)	Digestive System Cell Respiration and Metabolism	Ch 21 Ch 5 Ch 23	Digestive Physiology Basal Metabolic Rate Body Fat Assessment
4/15	SPRING BREAK: Vacation with your physiology book		
13 (4/22)	Urinary System Exam 3- Thursday Ch14 - 18, 5, 10, 21, 23 <i>Last day to withdraw from a class (W) 4/26</i>	Ch 19	Renal Physiology; PhysioEx
14 (4/29)	Urinary System / Acid Base Homeostasis	Ch 20	pH Homeostasis lab
15 (5/6)	Immune System	Ch 24	Immunology Lab
16 (5/13)	Reproductive System and Development	Ch 26	Clinical Case Studies Part II
17 (5/20)	Exam 4 – Tuesday Ch 19, 20, 24, 26 Exam 5 – Thursday Optional Comprehensive Lecture Final		