

BIOL 4388 Spring 2022 Course Calendar

Week	Date	Topic	Assignments
1	Jan 18	Course introduction and policies, syllabus, Mammalian Physiology	
	Jan 20	Recap of Background information	-Reading Quiz Week 1: Demographics; Chapters 1-4
2	Jan 25	<u>Section 1: Salt and Water Balance</u> Diffusion, Osmosis, Cellular Regulation, Body-Level Regulation	-Paper Discussion 1 starts
	Jan 27	Gross Urinary Anatomy Overview, Urine Formation	-Reading Quiz Week 2: Chapters 5 & 27 -Leaders: Summary PPT and Narration due before Sunday
3	Feb 1	Collecting Ducts, Urea Balance, Regulatory Mechanisms	
	Feb 3	Urinary Physiology continued	-Reading Quiz Week 3: Chapters 28 & 29 -Paper Discussion 1 ends on Sunday
4	Feb 8	Review and Prep for Exam	
	Feb 10	Section 1 Exam	<u>Exam #1</u>
5	Feb 15	<u>Section 2: Food, Energy and Temperature</u> Energy Capture, Cellular Work	
	Feb 17	Nutrition and Macromolecules	-Reading Quiz Week 5: Chapters 6 & 7 Feb 18: Graduation application deadline
6	Feb 22	Digestive Physiology	-Paper Discussion 2 starts
	Feb 24	Digestive Physiology continued	-Reading Quiz Week 6: Chapters 8 & 9 -Leaders: Summary PPT and Narration due before Sunday
7	Mar 1	Metabolic Trends	
	Mar 3	Thermoregulation	-Reading Quiz Week 7: Chapter 10 -Paper Discussion 2 ends on Sunday
8	Mar 8	Review and Prep for Exam	
	Mar 10	Section 2 Exam	<u>Exam #2</u>
9	Mar 14- Mar 18	SPRING BREAK (NO CLASS)	No class, no assignments due!
		No, but seriously, take a break.	
10	Mar 22	<u>Section 3: Muscle & Physiological Gases</u> Muscle: Gross Anatomy to Physiology	
	Mar 24	Contraction, Cell to Whole Muscle; muscle growth and loss	-Reading Quiz Week 10: Chapters 20 & 21 Mar 25: Cesar Chavez Holiday (No Classes)

11	Mar 29	Respiratory Systems, Gas Exchange	-Paper Discussion 3 starts
	Mar 31	Ventilation, Mechanism and Regulation	-Reading Quiz Week 11: Chapters 22 & 23 -Leaders: Summary PPT and Narration due before Sunday
12	Apr 5	Circulatory System, Heart Action, Blood Flow	Apr 1: Drop/Withdrawal Deadline
	Apr 7	Physiological Gases, Oxygen and Carbon Dioxide Dynamics	-Reading Quiz Week 12: Chapters 24 & 25 -Paper Discussion 3 ends on Sunday
13	Apr 12	Review and Prep for Exam	
	Apr 14	Section 3 Exam	<u>Exam #3</u>
14	Apr 19	<u>Section 4: Integrating Systems</u> Basics of Neural and Endocrine System, Action Potentials	
	Apr 21	Sensory Systems	-Reading Quiz Week 14: Chapters 12 & 14
15	Apr 26	Seasonal and Circadian Rhythms	-Paper Discussion 4 starts
	Apr 28	Reproductive Physiology	Reading Quiz Week 15: Chapters 15 & 17 -Leaders: Summary PPT and Narration due before Sunday
16	May 3	Review and Prep for Exam	May 6: Last Day of Classes
	May 5	Section 4 Exam	<u>Exam #4</u> -Paper Discussion 4 ends on Sunday
Finals	May 9- May 13	Finals Week	-Final Exam available: Thursday May 12 10am-4pm in person: 10:30am-11:50am