

Biology 220 Class Schedule Spring Quarter 2019

Instructor	Instructor	Lab Coordinator	Assistant Coordinator
Dr Jennifer Doherty 430 Hitchcock Hall doherty2@uw.edu	Dr. Jen White 103 Hitchcock Hall jmw31@uw.edu	Kyle Loucks 202E Hitchcock Hall kloucks@uw.edu	Christine Savolainen 202B Hitchcock Hall lcsavo@uw.edu

Text: *Life, Sadava et al., 11th Edition shorter UW version; old 10th Edition is good, too*

Lecture: M-Tu-W-Th-F

Time: 11:30-12:20 KNE 130

Labs: Hitchcock 144, 146

Lab Manuals can be purchased at Professional Copy 'N' Print, 4200 University Way NE, 634-2689.

Wk	Day	Date	Lecture Topic	Laboratory Topic
1	M	Apr 1	Neuropathic Pain: Introduction to Neurons	Sensory
	TU	Apr 2	Neuropathic Pain: GM Flux	
	W	Apr 3	Neuropathic Pain: Membrane Potential	
	TH	Apr 4	Neuropathic Pain: Equilibrium Potential	
	F	Apr 5	Neuropathic Pain: Resting Membrane Potential	
2	M	Apr 8	Quiz	Action Potentials
	TU	Apr 9	Neuropathic Pain: Receptor & Action Potentials	
	W	Apr 10	Neuropathic Pain: Neural Paths & Synapses	
	TH	Apr 11	Neuropathic Pain: GM – Mass Balance	
	F	Apr 12	Bar-headed Geese: Partial Pressures & Ventilation	
3	M	Apr 15	Bar-headed Geese: Gas Exchange	Respiratory Phys
	TU	Apr 16	Bar-headed Geese: Oxygen Transport	
	W	Apr 17	Bar-headed Geese: Explaining the Case	
	TH	Apr 18	Hormones & Weight: Gain & Loss, Insulin	
	F	Apr 19	Hormones & Weight: Glucagon	
4	M	Apr 22	Exam 1	Neuromuscular Phys
	TU	Apr 23	Anesthesia: Skeletal muscle excitation-contraction	
	W	Apr 24	Anesthesia: Cross-bridge cycling & Tetany	
	TH	Apr 25	Anesthesia: CO ₂ Transport & GM – Control Systems	
	F	Apr 26	Fainting: Blood Pressure	
5	M	Apr 29	Fainting: Stroke-Volume & HR	Hearts and Blood Pressure
	TU	Apr 30	Fainting: Total Peripheral Resistance	
	W	May 1	Fainting: Regulation of Blood Pressure	
	TH	May 2	Lazy Pandas: Energy Balance/Budget	
	F	May 3	Lazy Pandas: Thyroid Hormone	
6	M	May 6	Exam 2	Plant Structure & Function
	TU	May 7	Herbicides: Light absorption, Light dependent reactions	
	W	May 8	Herbicides: Light dependent reactions	
	TH	May 9	Herbicides: Light independent reactions, Calvin cycle	
	F	May 10	Herbicides: Explaining the case	
7	M	May 13	Piñon Dying: Properties of Water & Transpiration	Photosynthesis
	TU	May 14	Piñon Dying: Transpiration & Water potential	
	W	May 15	Piñon Dying: Water potential	
	TH	May 16	Piñon Dying: Stomatal Regulation	
	F	May 17	Piñon Dying: Phloem transport	
	M	May 20	Piñon Dying: Explaining the case	Transpiration
	TU	May 21	Climate Change and Nutrition: Biomass accumulation	
	W	May 22	Climate Change and Nutrition: Nutrient Uptake	
	TH	May 23	Climate Change and Nutrition: Explaining the Case	
	F	May 24	Exam 3	
9	M	May 27	MEMORIAL DAY - HOLIDAY - No Class	Plant Behavior
	TU	May 28	Hunting Dodder: Elongation	
	W	May 29	Hunting Dodder: Auxin & Phototropism	
	TH	May 30	Dying Kudu: Local herbivory response	
	F	May 31	Dying Kudu: Systemic herbivory response	
10	M	Jun 3	Dying Kudu: Explaining the Case	Plant Responses to Light
	TU	Jun 4	Plant Foraging: Shade avoidance	
	W	Jun 5	Plant Foraging: Herbivory	
	TH	Jun 6	Tobacco & Cannabis: Plant Life Cycle, Photoperiod detection	
	F	Jun 7	Tobacco & Cannabis: ABC model of flower development	
11	W	Jun 12	Final Exam 2:30-4:20	