

# Zool430/430L Animal Physiology & Lab 2022

Assignment Schedule\* SUBJECT TO CHANGE

		Class Topic	Wikipedia Project	Assignment Due	Lab	Paper
8/22	M	Intro to Course				
1	W	Megalodon Discussion		(Reading Assessment)	Lab1: PC1-G-HR/Data analysis	
	F	Library Day - Meet at Hamilton	Training policies/sandbox			
8/29	M	Size and Scaling				
2	W	Activity Metabolism	Training: evaluating+editing Exercise: evaluate Wikipedia		Lab2: PC2-G-Honolulu Zoo	
	F	Heat Exchange		PS1: Metabolism		
9/5	M	<b>Labor Day Holiday</b>	Choose article	Choose your Fossil		
3	W	Heterothermy/Iterative Method	Training: adding citations Exercise: small edit		Lab3:PC3-IWS-Peripheral Circ/ Dive Resp	
	F	Design Project/Temperature Reg		PS2: Temperature		
9/12	M	Cardiac Regulation	Training: plagiarism/ drafting			Sustained Metabolic Scope: Hammond and Diamond 1997, Peterson, Nagy, and Diamond 1990
4	W	Circulatory Systems	Wikipedia draft due	Working on Design 1	Lab4: PC1-IWS-ECG/Cardiac Function	
	F	Sustained Metabolic Scope Paper				
9/19	M	Feeding		Design 1 Report Due		
5	W	Digestion	Peer review 2 Wiki articles	Peer Critique 1	Design Presentations/ Critique Session	
	F	Specialized Digestive Systems				
9/26	M	Max Size Herbivores Paper		Design 1 Rewrite Due		Maximal size attainable by herbivores Clauss 2003
6	W	Nerves/Synapses	Respond to Wiki peer review		Lab5: PC2-IWS-Toad Heart	
	F	Signal Propagation		PS3: Feeding & Digestion		
10/3	M	Sensory Receptors				
7	W	Vision/Orals	Begin moving to Wikipedia	PS4: Neurons	Lab 10:PC1-G-Vertebrate Action Potential	
	F	Chemoreception				
10/10	M	Muscles				
8	W	Muscles II	Images and media files	Design 2 Feeding & Digestion	Lab6: PC3-G-Lobster Heart	
	F	Motor Control		Peer Critique 2		
10/17	M	Biomechanics/Locomotion				
9	W		Polish work		Lab7: PC2-G-Human Muscle	
	F			Rewrite Design 2 Due		
10/24	M	Biomechanics		PS5: Muscles & Biomech		
10	W	Locomotion on Land	Polish work		Lab8: PC3-G-Toad Muscle	
	F	Locomotion in Fluids				
10/31	M	Blood				Weibel, Taylor, and Hoppeler (1991) The concept of symmorphosis: A testable hypothesis of structure-function
11	W	Ventilation			Lab9:PC3-I-Toad Muscle	
	F	Respiratory Systems				
11/7	M	Symmorphosis - Paper		PS6: Respiration		
12	W	Osmoregulation	Finalize Work		<b>Tuesday: Election Day</b>	
	F	<b>Veterans Day Holiday</b>			Wed: Wikipedia Presentations	
11/14	M	Excretion		Design 3 Respiration		
13	W	Excretion		Peer Critique 3	Lab 11: PC1-G-Human Renal	
	F	Hormonal Control				
11/21	M	Reproduction		PS7: Osmoregulation		
14	W	<b>Thanksgiving Holiday</b>		Design 3 Rewrite	<b>No Labs</b>	
	F	<b>Thanksgiving Holiday</b>				
11/28	M	Immunology				
15	W	<i>Student Presentations</i>		Design 4: Osmoreg/Own	Lab 12: PC2-G-Human EEG	
	F	<i>Student Presentations</i>				
12/5	M	<i>Student Presentations</i>				
16	W	<i>Student Presentations</i>	Dec. 9 last day of instruction		Turn in Lab 12	
12/12	M	<i>Finals Week</i>		Design Term Paper Due		