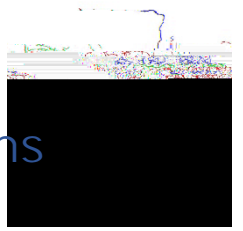


BIO 553 Syllabus (section 015), Spring 2024

Advanced Systemic Physiology: Control Systems



Time

Place

Professor

Course Description & Purpose

translational science

<i>Day</i>	<i>Topic</i>	<i>Reading (Boron)</i>	<i>Module</i>	<i>Assignments</i>
M Jan 8	Intro., Review, Homeostasis Principles	1, 2, 3, 5	1	
W Jan 10	Nervous system Organization & Development	10	2	Primary Literature and Intro.
M Jan 15	MLK DAY - NO CLASSES			
W Jan 17	Neurons, Glia, and Their Functions	11, 12		
M Jan 22	Neurons, Glia, and Their Functions			Quiz 1
W Jan 24	Synapses	7,13		
M Jan 29	General properties of sensory systems (tentative)	15, 16	3	Paper Analysis
W Jan 31	Autonomic Nervous Control	14	4	
M Feb 5	Master Endocrine: Hypothalamus & Pituitary	47, 48	5	Quiz 2
W Feb 7	Master Endocrine: Hypothalamus & Pituitary			Paper Analysis
M Feb 12	EXAM 1 –Nervous System and HP Axes			
W Feb 14	Thyroid & Parathyroid Physiology	49, 52	6	
M Feb 19	Adrenal Physiology	50		Quiz 3
W Feb 21	Endocrine Pancreas	51 (43)		
M Feb 26	Endocrine wrap-up and discussion			Paper Analysis
W Feb 28	The Neuromuscular Junction	8	7	
M March 4	Skeletal Muscle	9		
W March 6	Smooth & Cardiac Muscle			Quiz 4
M March 11	SPRING BREAK	SPRING BREAK		SPRING BREAK
W March 13	SPRING BREAK	SPRING BREAK		SPRING BREAK
M March 18	Muscle & Exercise wrap-up (energy & fatigue)	60		Paper Analysis

W March 20 EXAM 2 –Endocrine and Muscl.289 (n)3.s 3