BME350H1 Course Schedule 2022

			Monday Lecture	Tuesday Lecture	Wednesday Tutorial	Thursday Lab	Friday Lecture
			11:00 am - 12:00 pm EST	11:00 am - 12:00 pm EST	1:00 - 3:00 pm EST	9:00 am - 12:00 pm or 1:00 - 4:00 pm EST	11:00 am - 12:00 pm
Week	**System**	**Date**	**BA2195**	**BA2135**	**SF3201**	**MB78 or MB325**	**BA2135**
1	***Overview***	**Sept. 9**					Course Overview
2	***Fundamental Concepts***	**Sept. 12**	Homeostasis & control systems				
		Sept. 13		Major signaling systems			
		Sept. 14			Case study: Molecular transport		
		Sept. 15					
		Sept. 16					Cellular anatomy & molecular transport
3	***Central Nervous System***	**Sept. 19**	Graded potentials				
		Sept. 20		Action potentials			
		Sept. 21			MATLAB tutorial		
		Sept. 22					
		Sept. 23					Central nervous system (NS)
4	***Peripheral Nervous System***	**Sept. 26**	Peripheral afferent NS				
		Sept. 27		Peripheral afferent NS			
		Sept. 28			Understanding biosignals + MATLAB activity		
		Sept. 29					
		Sept. 30					Peripheral efferent NS
5	***Skeletal Muscle***	**Oct. 3**	Skeletal muscle anatomy				
		Oct. 4		Skeletal muscle electrical properties			
		Oct. 5			Test #1; Introduction to EMG reflex lab & using the BioRadios		

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		Oct. 6				EMG reflex lab [MB78]	
		Oct. 7					Skeletal muscle mechanics
6	***Cardiac***	**Oct. 10**	**THANKSGIVING**				
		Oct. 11		Cardiac muscle anatomy			
		Oct. 12			EMG reflex lab discussion		
		Oct. 13					
		Oct. 14					Cardiac electrical properties
7	***Respiratory System***	**Oct. 17**	Cardiac mechanical properties				
		Oct. 18		Respiratory system anatomy			
		Oct. 19			Cardiorespiratory response lab introduction		
		Oct. 20				Cardiorespiratory response lab [MB78]	
		Oct. 21					Respiratory system mechanics
8	***Vascular System***	**Oct. 24**	Respiratory system mechanics				
		Oct. 25		Vascular system			
		Oct. 26			Cardiorespiratory response lab discussion		
		Oct. 27					
		Oct. 28					Vascular system
9	***Renal System***	**Oct. 31**	Renal anatomy				
		Nov. 1		Renal mechanics			
		Nov. 2			TEST #2		
		Nov. 3					
		Nov. 4					Renal mechanics
	Nov. 7 -11		**Engineering Fall Study Break**				
		Nov. 14	Review renal physiology; Endocrine physiology				

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10	***Endocrine System***	**Nov. 15**		Central endocrine system			
		Nov. 16			Introduction to Renal lab; Case study: Renal physiology		
		Nov. 17				Renal lab: Measuring urea concentrations to discern renal function [MB325]	
		Nov. 18					Peripheral endocrine system
11	***Bone***	**Nov. 21**	Anatomy of bone				
		Nov. 22		Mechanics of bone			
		Nov. 23			Renal lab discussion; Case study: Bone physiology		
		Nov. 24					
		Nov. 25					Endocrinology of bone
12	***Blood & Immunity***	**Nov. 28**	Blood system: Red blood cells				
		Nov. 29		Gas exchange			
		Nov. 30			Introduction to RBC typing lab		
		Dec. 1				RBC typing lab	
		Dec. 2					White blood cells
13	***Review***	**Dec. 5**	Immunity				
		Dec. 6		Final course review			
		Dec. 7			RBC typing lab discussion; Final course review		
		Dec. 8	**Fall Study Day**				

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