

Medical Physiology Lecture Schedule 2022-2023

Textbooks: Textbook of Medical Physiology, Guyton & Hall, 14th Edition
 Pocket Companion to Textbook of Medical Physiology, Guyton & Hall (not required, but useful)

Date	Day	Time	Topic	Chap.	Faculty	Room	
1/3	T	9:00-9:50	Functional Organization of the Human Body (Intro)	1	Hall	SM122	
		10:00-10:50	Transportation of Substances through a Membrane I	4	Adair	SM122	
		11:00-11:50	Transportation of Substances through a Membrane II	4	Adair	SM122	
1/4	W	10:00-10:50	Membrane and Action Potentials I	5	Adair	SM122	
		11:00-11:50	Membrane and Action Potentials II	5	Adair	SM122	
1/5	TH	10:00-10:50	Contraction of Skeletal Muscle I	6	Adair	SM122	
		11:00-11:50	Contraction of Skeletal Muscle II	6	Adair	SM122	
1/6	F	10:00-10:50	Excitation of Skeletal Muscle I	7	Adair	SM122	
		11:00-11:50	Excitation of Skeletal Muscle II	7	Adair	SM122	
		1:00-1:50	Neuromuscular Disorders Clinical Correlation		Witt	SM122	
1/9	M	10:00-10:50	Contraction and Excitation of Smooth Muscle	8	Adair	SM122	
1/10	T	10:00-11:50	Quiz Chapters 1, 4-8		Adair	SM122	
1/11	W	10:00-10:50	Homeostasis and Blood Coagulation	37	Adair	SM122	
		11:00-11:50	Blood Types and Transfusions	36	Adair	SM122	
		Introduction to Lab					
		1:00-1:50	Groups 1-8		Hester	SM122	
		2:00-2:50	Groups 9-16		Hester	SM122	
		3:00-3:50	Groups 17-24		Hester	SM122	
1/13	F	10:00-10:50	Resistance to Infection 1	34	Adair	SM122	
		11:00-11:50	Resistance to Infection 2	35	Adair	SM122	
MLK Holiday							
1/17	T	10:00-10:50	RBC, Anemia, and Polycythemia	33	Adair	SM122	
1/18	W	10:00-11:50	Quiz Chapters 33-37		Adair	SM122	
1/19	TH	10:00-10:50	Heart Muscle	9	Chade	SM122	
		11:00-11:50	Rhythmical Excitation of the Heart	10	Chade	SM122	
1/20	F	10:00-10:50	Normal Electrocardiogram	11	Chade	SM122	
		11:00-11:50	Interpretation of Cardiac Muscle I	12	Chade	SM122	
1/24	T	9:00-9:50	Interpretation of Cardiac Muscle II	12	Chade	SM122	
		10:00-10:50	Cardiac Arrhythmias I		Chade	SM122	
1/25	W	10:00-10:50	Cardiac Arrhythmias II	13	Chade	SM122	
		11:00-11:50	Cardiac Arrhythmias III	13	Chade	SM122	
1/27	F	10:00-11:50	EKG PBL	13	Bennett	SM122	
1/30	M	10:00-10:50	Overview of the Circulation	14	Granger	SM122	
		11:00-11:50	Vascular Distensibility	15	Granger	SM122	
1/31	T	10:00-10:50	Microcirculation and the Lymphatic System I	16	Granger	SM122	
		11:00-11:50	Microcirculation and the Lymphatic System II	16	Granger	SM122	
2/1	W	10:00-10:50	Control of Blood Flow	17	Granger	SM122	
		11:00-11:50	Nervous Regulation of the Circulation	18	Granger	SM122	

Items listed in red indicate a mandatory attendance.
Quizzes and exams are written in blue.

Updated 7/6/2022

Medical Physiology Lecture Schedule 2022-2023

Textbooks: Textbook of Medical Physiology, Guyton & Hall, 14th Edition
 Pocket Companion to Textbook of Medical Physiology, Guyton & Hall (not required, but useful)

Date	Day	Time	Topic	Chap.	Faculty	Room	
2/2	TH	10:00-10:50	Dominant Role of the Kidney	19	Granger	SM122	
		11:00-11:50	Hypertension	19	Granger	SM122	
		Hypertension PBL					
		1:00-2:50	Groups 1-16		Granger/Fryoux	<small>SM122, SM105, SM106, SM107, SM108, SM109</small>	
	3:00-4:50	Groups 17-32		Granger/Fryoux	<small>SM122, SM105, SM106, SM107, SM108, SM109</small>		
2/3	F	10:00-10:50	Cardiac Output/Venous Return I & II	20	Granger	SM122	
		11:00-11:50	Exercise and Coronary Blood Flow	21	Granger	SM122	
2/6	M	10:00-10:50	Cardiac Failure I	22	Granger	SM122	
		11:00-11:50	Cardiac Failure II	22	Granger	SM122	
		Cardiovascular Lab					
		1:00-2:30	Groups 1-4 (Hester SM122)	Groups 5-8 (Clemmer SM 105)			
	2:30-4:00	Groups 9-12 (Hester SM122)	Groups 13-16 (Clemmer SM 105)				
2/7	T	10:00-10:50	Heart Valves, Heart Sounds I	23	Chade	SM122	
		11:00-11:50	Heart Valves, Heart Sounds II	23	Chade	SM122	
2/8	W	10:00-10:50	Cardiology PBL		McMullan	SM122	
		11:00-11:50	Circulatory Shock	24	Chade	SM122	
		Cardiovascular Lab					
		1:00-2:30	Groups 17-20 (Hester SM122)	Groups 21-24 (Clemmer SM105)			
	2:30-4:00	Groups 25-28 (Hester SM122)	Groups 29-32 (Clemmer SM105)				
2/17	F	9:00-11:50	Quiz Chapters 9-24		Chade/Granger	SM122	
2/20	M	10:00-10:50	Body Fluid Compartments	25	Hall	SM122	
		11:00-11:50	Abnormalities of Body Fluid Regulation	25	Hall	SM122	
2/23	TH	10:00-10:50	The Urinary System	26	Hall	SM122	
		11:00-11:50	Glomerular Filtration, Renal Blood Flow	27	Hall	SM122	
2/24	F	10:00-11:50	Body Fluids PBL		Hall	SM122	
2/27	M	10:00-10:50	Renal Tubular Reabsorption and Secretion	28	Hall	SM122	
		11:00-11:50	Regulation of Renal Tubular Reabsorption	28	Hall	SM122	
2/28	T	10:00-10:50	Assessment of Kidney Function, Renal Clearances	28	Hall	SM122	
		11:00-11:50	Urine Concentration and Dilution	29	Hall	SM122	
3/1	W	10:00-10:50	Regulation of Extracellular Osmolarity	29	Hall	SM122	
		11:00-11:50	Renal Regulation of Potassium and Calcium	30	Hall	SM122	
3/2	TH	10:00-10:50	Integration of Renal Mechanisms	30	Hall	SM122	
		11:00-11:50	Acid-Base Regulation	31	Hall	SM122	
		Kidney PBL					
		1:00-2:50	Groups 1-16		Hall/Shafi	<small>SM105, SM106, SM107, SM108</small>	
	3:00-4:50	Groups 17-32		Hall/Shafi	<small>SM105, SM106, SM107, SM108</small>		
3/3	F	10:00-10:50	Acid-Base Disorders and Renal Compensations	31	Hall	SM122	
		11:00-11:50	Kidney Clinical Correlation		Dossabhoy	SM122	
3/6	M	10:00-10:50	Diuretics, Kidney Diseases	32	Hall	SM122	
		11:00-11:50	Pathophysiology of Kidney Diseases	32	Hall	SM122	
3/7	T	10:00-11:50	Quiz Chapters 25-32		Hall	SM122	

Items listed in red indicate a mandatory attendance.
 Quizzes and exams are written in blue.

Updated 7/6/2022

Medical Physiology Lecture Schedule 2022-2023

Textbooks: Textbook of Medical Physiology, Guyton & Hall, 14th Edition
 Pocket Companion to Textbook of Medical Physiology, Guyton & Hall (not required, but useful)

Date	Day	Time	Topic	Chapt.	Faculty	Room
3/9	TH	10:00-10:50	Pulmonary Ventilation I	38	Hester	SM122
		11:00-11:50	Pulmonary Ventilation II	38	Hester	SM122
3/10	F	10:00-10:50	Pulmonary Circulation, Edema, Pleural Fluid I	39	Hester	SM122
		11:00-11:50	Pulmonary Circulation, Edema, Pleural Fluid II	39	Hester	SM122
3/13	M	10:00-10:50	Gas Exchange I	40	Hester	SM122
		11:00-11:50	Gas Exchange II	40	Hester	SM122
3/14	T	10:00-10:50	Transportation of Oxygen and Carbon Dioxide I	41	Hester	SM122
		11:00-11:50	Transportation of Oxygen and Carbon Dioxide II	41	Hester	SM122
3/15	W	1:00-1:50	Respiratory Control	42	Hester	SM122
Spring Break						
3/20	M	10:00-10:50	Respiratory PBL		Abraham	SM122
		11:00-11:50	Respiratory PBL		Abraham	SM122
3/21	T	10:00-10:50	Respiratory PBL		Abraham	SM122
		11:00-11:50	Respiratory PBL		Abraham	SM122
3/22	W	10:00-10:50	X-Ray Clinical Correlation		Bhagat	SM122
		11:00-11:50	Physiology of Aviation and Deep Sea Diving	44-45	Hester	SM122
3/23	TH	10:00-10:50	Sports Physiology	85	Hester	SM122
3/27	M	10:00-11:50	Quiz Chapters 38-41, 43-45, 85		Hester	SM122
3/28	T	10:00-10:50	General Principles of GI Function I	63	Adair	SM124
		11:00-11:50	General Principles of GI Function II	63	Adair	SM124
3/29	W	10:00-10:50	Propulsion and Mixing of Food I	64	Adair	SM122
		11:00-11:50	Propulsion and Mixing of Food II	64	Adair	SM122
3/30	TH	9:00-9:50	Secretory Function of the Alimentary Tract I	65	Adair	SM122
4/3	M	10:00-10:50	Secretory Function of the Alimentary Tract II	65	Adair	SM122
		11:00-11:50	Secretory Function of the Alimentary Tract III	65	Adair	SM122
4/4	T	10:00-10:50	Digestion/Absorption in the GI Tract	66	Adair	SM122
		11:00-11:50	Physiology of GI Disorders	67	Adair	SM122
4/5	W	10:00-10:50	Liver as an Organ	71	Adair	SM122
		11:00-11:50	Dietary Balances	72	Hall	SM122
4/6	TH	10:00-10:50	Energetics and Metabolic Rate	73	Adair	SM122
		11:00-11:50	Body Temperature and Regulation	74	Adair	SM122
4/7	F	10:00-10:50	GI Disorders Clinical Correlation		Paine	SM122
		11:00-11:50	GI Review		Adair	SM122
4/10	M	10:00-11:50	Quiz Chapters 63-67, 71-74		Adair	SM122
4/11	T	10:00-10:50	Introduction to Endocrinology	75	George	SM122
		11:00-11:50	Pituitary Hormones I	76	George	SM122
4/12	W	10:00-10:50	Pituitary Hormones II	76	George	SM122
		11:00-11:50	Thyroid Hormones I	77	George	SM122
4/13	TH	10:00-10:50	Thyroid Hormones II	77	George	SM122
		11:00-11:50	Thyroid Disorders Clinical Correlation		Gomez-Sanchez	SM122
4/14	F	9:00-9:50	Adrenocortical Hormones I	78	George	SM122
		10:00-10:50	Adrenocortical Hormones II	78	George	SM122
4/17	M	10:00-10:50	Insulin, Glucagon, and Diabetes	79	George	SM122
		11:00-11:50	Diabetes Clinical Correlation		Subauste	SM122

Items listed in red indicate a mandatory attendance.
 Quizzes and exams are written in blue.

Updated 7/6/2022

Medical Physiology Lecture Schedule 2022-2023

Textbooks: Textbook of Medical Physiology, Guyton & Hall, 14th Edition
 Pocket Companion to Textbook of Medical Physiology, Guyton & Hall (not required, but useful)

Date	Day	Time	Topic	Chapt.	Faculty	Room	
4/18	T	10:00-10:50	Parathyroid Hormones I	80	George	SM122	
		11:00-11:50	Parathyroid Hormones II	80-81	George	SM122	
		1:00-1:50	Calcium Disorders Clinical Correlation		Yanes	SM122	
4/19	W	11:00-11:50	Male Reproduction and Hormonal Function	81-82	George	SM122	
		Endocrine Lab					
		1:00-1:50	Groups 1-4		Hester	SM105	
		2:00-2:50	Groups 5-8		Hester	SM105	
		3:00-3:50	Groups 9-12		Hester	SM105	
		4:00-4:50	Groups 13-16		Hester	SM105	
4/20	TH	9:00-9:50	Diabetes Clinical Correlation		Subauste	SM122	
		10:00-10:50	Female Physiology before Pregnancy	82-83	George	SM122	
		11:00-11:50	Pregnancy and Lactation	83-84	George	SM122	
		Endocrine Lab					
		1:00-1:50	Groups 17-20		Hester	SM105	
		2:00-2:50	Groups 21-24		Hester	SM105	
		3:00-3:50	Groups 25-28		Hester	SM105	
		4:00-4:50	Groups 29-32		Hester	SM105	
4/21	F	10:00-10:50	Fetal and Neonatal Physiology I	84	George	SM122	
		11:00-11:50	Fetal and Neonatal Physiology II	84	George	SM122	
		1:00-1:50	Sex Steroids Clinical Correlation		Yanes	SM122	
4/24	M	10:00-11:50	Quiz Chapters 75-84		George	SM122	
4/28	F	8:00-11:50	Cumulative Final Exam		All Faculty	SM122	
5/1	M	8:00-11:50	Physiology National Board Exam		All Faculty	SM122	
End of Course							

Items listed in red indicate a mandatory attendance.
 Quizzes and exams are written in blue.

Updated 7/6/2022