

Medical Physiology 100 Spring 2017

DATE	TIME	TITLE	LECTURER	LABS
Jan 11	9:40-10:40	Introduction / Autonomic Nervous System	Molina	
Jan 11	10:50-11:50	Skeletal Muscle	Molina	
Jan 12	11:00 -12:00	Electrical Activity of the Heart I	Gardner	
Jan 13	9:10-10:30	Electrical Activity of the Heart II	Gardner	
Jan 17	10:50-11:50	Cardiac Muscle	Molina	1-3 PHYS Lab: CSI 9-12 – EKG Placement and Monitoring 1-5 PHYS Lab: CSI 13-16 – EKG Interpretation/Simulation
Jan 18	9:10-10:10	Smooth Muscle	Molina	1-3 PHYS Lab: CSI 13-16 – EKG Placement and Monitoring 1-5 PHYS Lab: CSI 1-4 – EKG Interpretation/Simulation
Jan 19	9:15-10:15	Hemodynamics I	Gardner	
Jan 19	10:30-11:30	Hemodynamics II	Gardner	1-3 PHYS Lab: CSI 1-4 – EKG Placement and Monitoring 1-5 PHYS Lab: CSI 9-12 – EKG Interpretation/Simulation
Jan 20	9:10-10:10	Cardiac Cycle	Gardner	10:20-12:20 PHYS Lab: CSI 5-8 – EKG Placement and Monitoring 1:30-5 PHYS Lab: CSI 5-8 – EKG Interpretation/Simulation
Jan 23	10:10-11:10	Cardiac Output	Gardner	
Jan 23	11:20-12:20	Ventricular Function I	McDonough	
Jan 24	9:40-10:40	Ventricular Function II	McDonough	
Jan 24	10:50-11:50	Venous Return	McDonough	
Jan 25	8:00-9:00	Control of Peripheral Circulation	McDonough	

Jan 25	9:10-10:10	Control of Blood Pressure	McDonough	
Jan 26	10:10-11:10	Heart Sounds and Murmurs	McDonough	
Jan 26	11:20-12:20	Capillary Dynamics/Lymphatics	McDonough	1-5 PHYS Lab: CSI Groups 9-12 – Hemodynamic Monitoring/HF Simulation
Jan 27	8:00-9:00	Calcium and Heart Function	McDonough	
Jan 27	9:10-10:10	Coronary Circulation	McDonough	1:30-5 PHYS Lab: CSI Groups 13-16 – Hemodynamic Monitoring/HF Simulation
Jan 30	9:40-10:40	Cerebral Circulation	McDonough	
Jan 30	10:50-11:50	Endothelial Function	McDonough	1-5 PHYS Lab: CSI Groups 5-8 – Hemodynamic Monitoring/HF Simulation
Jan 31				1-5 PHYS Lab: CSI Groups 1-4 – Hemodynamic Monitoring/HF Simulation
Feb 1	11:00-12:00	Cardiac Physiology Review		
Feb 3	8:30	EXAM 1		
Feb 6	9:40-10:40	Breathing Mechanics I	Levitzky	
Feb 6	10:50-11:50	Breathing Mechanics II	Levitzky	
Feb 7	8:00-9:00	Alveolar Ventilation / Pulmonary Function Tests	Levitzky	
Feb 7	9:10-10:10	Pulmonary Circulation	Levitzky	
Feb 8	8:00-9:00	Ventilation-Perfusion / Alveolar-Capillary Diffusion	Levitzky	
Feb 8	9:10-10:10	Gas Transport by the Blood	Levitzky	
Feb 8	1:00 - 2:00	Exam 1 Feedback	Levitzky/McDonough/Gardner	
Feb 9	8:00-9:00	Acid Base Balance	Levitzky	
Feb 9	9:10-10:10	Control of Respiration	Levitzky	1-2:30 PHYS Lab: CSI Groups 1-4 PFTs/O2 Monitoring

				2:30-4 PHYS Lab: CSI 9-12 PFTs/O2 Monitoring
Feb 10	8:00-9:00	Fetal & Neonatal Circulation	McDonough	
Feb 10	9:10-10:10	Pulmonary Complications of Neonates	Penn	
Feb 13	8:30-9:30	Acid-Base Balance Review	DeBloisblanc	
Feb 13	9:40-10:40	Sleep	Levitzky	
Feb 13	10:50-11:50	Temperature Regulation	Cairo	
Feb 14	8:00-9:00	Altitude/Diving	Levitzky	
Feb 14	9:10-10:10	Nonrespiratory Function of the Lungs	Levitzky	1-2:30 PHYS Lab: CSI 5-8 PFTs/O2 Monitoring 2:30-4 PHYS Lab: CSI 13-16 PFTs/O2 Monitoring
Feb 15	1:00 - 2:00	Pulmonary Review	Levitzky	
Feb 17	8:30	Exam 2		
Feb 20	9:30-10:30	Introduction to Endocrine Physiology	Molina	
Feb 21	9:40-10:40	Hypothalamus and Anterior Pituitary	Molina	
Feb 21	10:50-11:50	Posterior Pituitary	Molina	
Feb 22	9:30-10:30	Thyroid	Molina	
Feb 22	10:40-11:40	Parathyroid, Calcitonin, Vitamin D	Molina	
Feb 23	8:30-9:30	Pancreas	Molina	
Feb 24	10:45-11:45	Adrenals I	Molina	
Mar 1	10:00-11:00	Exam 2 Feedback	Levitzky/Gardner/Giaimo	
Mar 1	1:00-2:00	Adrenals II	Molina	
Mar 3	10:40-11:40	Energy Metabolism	Molina	
Mar 6	10:30-12:00	Male Reproductive	Molina	
Mar 7	8:45-10:15	Female Reproductive	Molina	
Mar 8	10:50-11:50	Endo Review	Molina	
Mar 10	8:30	Exam 3	Levitzky, Gardner, Giaimo	

Mar 14	8:30-9:30	Body Fluid Compartments; Basic Renal Processes	Harrison-Bernard	
Mar 14	9:40-10:40	Renal Clearance and Glomerular Filtration Rate	Harrison-Bernard	
Mar 15	9:40-10:40	Regulation of Renal Blood Flow	Harrison-Bernard	
Mar 15	10:50-12:00	Renal Transport of Sodium and Chloride	Harrison-Bernard	
Mar 16	9:40-10:40	Renal Transport of Ions and Organic Solvents	Harrison-Bernard	
Mar 16	10:50-11:50	Regulation of Potassium Balance	Harrison-Bernard	
Mar 17	9:40-10:40	Regulation of Water Balance	Harrison-Bernard	
Mar 17	2:15-3:15	Feedback for Exam 3	Levitzky/Gardner/Giaimo	
Mar 20	9:40-10:40	Renal Transport of Acids and Bases	Harrison-Bernard	
Mar 20	10:50-11:50	Integration of Salt and Water Balance	Harrison-Bernard	
Mar 21	11:20-12:20	Renal Clinical Cases	TBA	
Mar 22	8:30-9:30	Renal Review	Harrison-Bernard	
Mar 27	8:30	Exam 4	Levitzky, Gardner, Harrison-Bernard	
Mar 28	8:00-9:00	Overview of GI Physiology / Neuroendocrine Regulation	Potter	
Mar 28	9:10-10:10	Physiology of the Microbiome and Mucosal Defense	Potter / IMM	
Mar 29	9:30-10:30	Intestinal Motility	Potter	
Mar 29	10:40-11:40	Gastric Secretion	Potter	
Mar 30	8:00-9:00	Intestinal and Accessory Gland Secretions	Potter	
Mar 30	9:10-10:10	Carbohydrate, Protein and Water-Soluble Vitamin Assimilation	Potter	
Mar 31	8:00-9:00	Lipid & Lipid-Soluble Vitamin Assimilation	Potter	
Mar 31	1:00-2:00	Exam 4 Review	Levitzky/Gardner	
Apr 4	8:00-9:00	Liver I	Molina	
Apr 5	9:30-10:30	Liver II	Molina	
Apr 6	9:40-10:40	Splanchnic Circulation	Molina	
Apr 6	10:50-11:50	Shock	McDonough	
Apr 7	8:00-9:00	Aging	Cairo	
Apr 7	9:10-10:10	Physiologic Reserve	McDonough	

Apr 10	9:10-10:10	Final Review	Potter/McDonough	
Apr 12	8:30	Exam 5	Levitzky, Gardner, McDonough, Potter, Giaimo	
Apr 19	8:30	NBME Final Exam	Levitzky, Gardner, McDonough, Molina, Potter, Harrison-Bernard, Giaimo	