

DATE	LECTURE	INSTRUCTOR
1/05/09 1/05/09	Introduction GP01 Overview of Cell Physiology: Structure/Function	Chowdhury Jennings
1/07/09	GP02 Brain Imaging – Introduction to Nervous System	Dienel
1/09/09	GP03 Electrophysiology of Neuronal Signaling	Dobretsov
1/12/09	GP04 Somatosensory Nervous System	Dobretsov
1/14/09	GP05 Physiological and Neuropathic Pain	Dobretsov
1/16/09	GP06 Motor Nervous System: Skeletal Muscle	Brown
1/19/09	Holiday (Martin Luther King's Birthday)	
1/21/09	GP07 Motor Nervous System: Motor Neurons, Neuromuscular Junction, and Neuronal Control of Muscle Contraction	Brown
1/23/09	GP08 Somatosensory and Motor Systems	Dienel
1/26/09	GP09 Autonomic Nervous System	Dienel
1/28/09	EXAM 1 (Rayford Auditorium 9:00 – 11:00 a.m.) Includes lectures by Jennings, Dobretsov, Brown, Dienel	2 hours
1/30/09	GP10 Myocardial Electrophysiology	Soulsby
2/02/09	GP11 The Cardiac Cycle	Soulsby
2/04/09	GP12 Cardiac Function	Soulsby
2/06/09	GP13 Hemodynamics	Soulsby
2/09/09	GP14 The Microcirculation	Soulsby
2/11/09	GP15 Venous Return	Soulsby
2/13/09	GP16 Intrinsic and Extrinsic Control	Soulsby
2/16/09	Holiday (President's Day)	
2/18/09	GP17 Intrinsic and Extrinsic Control	Soulsby
2/20/09	GP18 Organization of the Respiratory System	Chowdhury
2/23/09	GP19 Ventilation and Mechanics of Breathing	Chowdhury
2/25/09	GP20 Pulmonary circulation and the Ventilation-perfusion ratio	Chowdhury
2/27/09	GP21 Gas transfer and Transport	Chowdhury
3/02/09	GP22 Control of Ventilation	Chowdhury
3/04/09	GP23 Respiration in Unusual Environment	Chowdhury

DATE	LECTURE	INSTRUCTOR
3/06/09	EXAM 2 (Rayford Auditorium 9:00 – 11:00 a.m.) Includes lectures by Soulsby and Chowdhury	2 hours
3/09/09	GP24 Glomerular Filtration	Kurten
3/11/09	GP25 Renal Blood Flow and Ion Transport	Kurten
3/13/09	GP26 Na ⁺ and K ⁺ Balance	Kurten
3/16/09	GP27 Water Balance	Kurten
3/18/09	GP28 Acid-base balance	Wight
3/20/09	GP29 Acid-base disturbances	Wight
	SPRING BREAK 3/21/09 – 3/29/09	
3/30/09	GP30 Acid-base laboratory	Wight
4/01/09	GP31 GI Physiology	Miller
4/03/09	GP32 Mouth And Esophagus	Miller
4/06/09	GP33 Stomach	Miller
4/08/09	GP34 Small and Large Intestine	Miller
4/10/09	GP35 Pancreas and Gall Bladder	Miller
4/13/09	GP36 Digestion & Absorption	Miller
4/15/09	EXAM 3 (Rayford Auditorium 9:00 – 11:00 a.m.) Includes lectures by Kurten, Miller and Wight	2 hours
4/17/09	GP37 Energy Balance, Obesity	Conaway
4/20/09	GP38 Temperature Regulation	Conaway
4/22/09	GP39 Female Reproduction	Gaddy
4/24/09	GP40 Male Reproduction	Gaddy
4/27/09	GP41 Pituitary	Conaway
4/29/09	GP42 Calcium Metabolism	Conaway
5/01/09	GP43 Pancreas 1	Conaway
5/04/09	GP44 Pancreas II	Conaway
5/06/09	GP45 Thyroid	Conaway
5/08/09	GP46 Adrenal	Conaway
5/13/09	EXAM 4 (Rayford Auditorium 9:00 – 11:00 a.m.) Includes lectures by Gaddy and Conaway	2 hours