

<b>Date</b>	<b>Lecturer</b>	<b>Topic</b>	<b>Reading*</b>
M Aug 31	Clausen	Physiological control systems	191-205
M Aug 31	Clausen	Internal environment	27-32, 51-58
W Sep 2	Clausen	Membrane transport	128-148
W Sep 2	Clausen	Cell volume regulation	148-160
F Sep 4		<b>Quiz 1</b>	
M Sep 7		<b>Labor Day (no classes)</b>	
W Sep 9	Clausen	Diffusion potentials	160-166
W Sep 9	Clausen	Neural action potentials	244-270
F Sep 11	Clausen	Action-potential propagation	
M Sep 14	Clausen	Local and synaptic potentials	270-285, 175-176
M Sep 14	Clausen	Synaptic transmission	
W Sep 16	Clausen	Skeletal muscle cellular physiology	398-421
W Sep 16	Clausen	Skeletal muscle mechanics	
F Sep 18		<b>Quiz 2</b>	
M Sep 21	Clausen	Cardiac and smooth muscle	421-430
M Sep 21	Clausen	Neural wiring and sensory adaptation	278-279, 328-342
W Sep 23	Clausen	Spinal reflexes	436-445
W Sep 23	Spector	Central nervous system I	292-308
F Sep 25		<b>Quiz 3</b>	
M Sep 28		<b>Yom Kippur (no classes)</b>	
W Sep 30	Spector	Central nervous system II	308-321
W Sep 30	Spector	Sensory physiology I	328-342
F Oct 2	Spector	Sensory physiology II	343-347
M Oct 5	Spector	Autonomic nervous system	377-393
M Oct 5	Spector	The ear: hearing and equilibrium	348-357
W Oct 7	Spector	The eye and vision	358-370
W Oct 7	Johnson	Neuroendocrinology	175-191
F Oct 9		<b>Quiz 4</b>	
M Oct 12	Johnson	Organization of cardiovascular system	457-464
M Oct 12	Johnson	Contraction of the heart	465-489
W Oct 14	Johnson	Electrocardiogram	
W Oct 14	Johnson	Cardiac cycle	489-514
F Oct 16		<b>Quiz 5</b>	
M Oct 19	Johnson	Regulation of heart rate and contractility	
M Oct 19	Johnson	Regulation of cardiac output, blood flow/pressure	514-529
W Oct 21	Johnson	Microcirculation and lymph production	
W Oct 21	Clausen	Hematology and iron metabolism	536-555
F Oct 23		<b>Pre-exam questions/answers/review</b>	

<b>Date</b>	<b>Lecturer</b>	<b>Topic</b>	<b>Reading*</b>
M Oct 26		<b>First two-hour examination</b>	
W Oct 28	Clausen	Hemostasis	
W Oct 28	Warren	Overview of pulmonary physiology	559-576
F Oct 30	Warren	Mechanics of breathing	
M Nov 2	Warren	Lung volumes and capacities; Ventilation	577-583
M Nov 2	Warren	Pulmonary circulation	
W Nov 4	Warren	Pulmonary diffusion; Blood-gas transport	588-602
W Nov 4	Warren	Arterial blood gases; Pulmonary pathophysiology	
F Nov 6		<b>Quiz 6</b>	
M Nov 9	Warren	Control of breathing	602-608
M Nov 9	Moore	Overview of renal physiology	614-625
W Nov 11	Moore	Renal hemodynamics and the nephron	626-631
W Nov 11	Moore	Renal clearance, micturition	631-637
F Nov 13		<b>Quiz 7</b>	
M Nov 16	Moore	Water homeostasis; concentrating mechanisms	642-651
M Nov 16	Moore	Sodium and potassium homeostasis	651-663
W Nov 18	Moore	Renal acid excretion	663-671
W Nov 18	Moore	Calcium and phosphate homeostasis	764-771
F Nov 20		<b>Quiz 8</b>	
M Nov 23	Warren	Overview of gastrointestinal physiology	677-693
M Nov 23	Warren	Gastrointestinal motility and secretions	693-710
W Nov 25 – F Nov 27		<b>Thanksgiving recess (no classes)</b>	
M Nov 30	Warren	Digestion and absorption	
M Nov 30	Warren	Bile and digestion and absorption of fats	
W Dec 2	El Maghrabi	Review of intermediary metabolism	90-122
W Dec 2	El Maghrabi	Insulin, glucagon and somatostatin	189-191, 212-237
F Dec 4		<b>Quiz 9</b>	
M Dec 7	El Maghrabi	Endocrine regulation of metabolism; diabetes	739-745
M Dec 7	El Maghrabi	Adrenal medulla and cortex	
W Dec 9	El Maghrabi	Regulation of temperature	808-817
W Dec 9	El Maghrabi	Regulation of growth	
F Dec 12		<b>Quiz 10</b>	
M Dec 14	Rosati	Overview of reproductive physiology	822-836
M Dec 14	Rosati	Male reproductive physiology	
W Dec 16	Rosati	Female reproductive physiology	836-855
W Dec 16	Rosati	Pregnancy, labor and delivery, lactation	
F Dec 18		<b>Second two-hour examination (8 – 10 a.m.)</b>	

\* Page assignments refer to the required textbook *Human Physiology: an integrated approach (Fourth Edition)*, by D.U. Silverthorn (2007, Pearson Education, Inc., ISBN 0-8053-6849-3 or ISBN-10 0-321-55088-9).