

**AP150 - INTEGRATIVE ANATOMY AND PHYSIOLOGY
- SPRING 2015 -**

[[Download Teaching Materials \(PDF\)](#)]

<i>Date</i>	<i>Lecture Topic</i>	<i>Laboratory Topic</i>	<i>Ward Anat Atlas 3rd (pp)</i>	<i>Ward A&P & Lab (pp)</i>
Jan 12 M Week 1	Overview Cellular Anatomy Cellular control and transport	Cellular Anatomy Cellular control and transport	1-1 - 6 2-2	1-11;
Jan 14 W	Tissues and Skin	Epithelial and Connective Tissues Structure of Skin	2-4 - 8 2-9 - 12	12-21 22-27
Jan 19 M Week 2	Martin Luther King, Jr. Holiday	Martin Luther King, Jr. Holiday		
Jan 21 W	QUIZ (cells, tissues and skin) Osseous Tissue and Bone		3-1 - 6	32-35
Jan 26 M Week 3	Bone Metabolism	Structure of Bone and Skull	3-2 - 12	36-43
Jan 28 W	Vertebrae	Skull	3-7 - 17	42-50
Feb 2 M Week 4	Joints	Appendicular Skeleton	3-18 - 31	51-59
Feb 4 W	EXAM # 1 (skeleton) Muscle Tissue and Muscle		4-1 - 6	64-69
Feb 9 M Week 5	Muscle Contraction	Head and Trunk Muscles (Cadavers)	4-7 - 19	70-78
Feb 11 W	Upper Body Movement	Arm Muscles (Cadavers)	4-20 - 25	79-83
Feb 16 M Week 6	Holiday - Washington's Birthday			
Feb 18 W	Lower Body Movement	Leg Muscles (Cadavers)	4-26 - 33	84-90
Feb 23 M Week 7	EXAM # 2 (muscles)(cadavers) Nervous Tissue		5-1 - 8	96-103
Feb 25 W	Neuron Physiology	Spinal Cord (Spinal Cord)	5-9 - 12	104-108
Mar 2 M Week 8	Nervous Communication	Neuromuscular Transmission and Spinal Reflexes	5-8, 11	109-113
Mar 4 W	Brainstem and Cerebral Cortex	Brainstem and Cerebral Cortex (Sheep Brain)	5-13 - 22	114-123
Mar 9 M Week 9	EXAM # 3 (neural) Cardiovascular Overview		6-1 - 4	130-135

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Mar 11 W	Cardiac Pumping and Cardiac Contraction	Heart (Pig Heart)	6-5 - 13	136-148
Mar 16 M Week 10	Hemodynamics and Vascular Control	Vascular Organization	6-14 - 23	149-163:
Mar 18 W	Blood and Immunity	EKG, Blood Pressure, and Blood Typing	6-25 - 27	164-174
Mar 23 M Week 11	EXAM # 4 (cardiovascular) Respiratory Airways and Lungs		7-1 - 3	182-186
Mar 25 W	Ventilation and Lung Mechanics	Airways and Lungs	7-4 - 9	187-198
Mar 30 M Week 12	Gas Exchange, Transport, and Acid - Base Balance	Ventilation and Spirometry		199-206
Apr 1 W	Digestion	GI Tract	7-10 - 17	207-219
Apr 6 M Week 13	Renal Function	Kidney	7-24 - 29	220-230
Apr 8 W	EXAM # 5 (respiratory, digestive, urinary) Fluid Balance			233-234
Apr 13 M Week 14	Autonomic Nervous System	Autonomic Nervous System	8-1 - 7	242-248
Apr 15 W	Adrenal Medulla and Pancreas and Thyroid	Pituitary, Adrenal Cortex and Thyroid	8-8 - 14	249-259
Apr 20 M Week 15	Male Reproductive Tract	Female Reproductive Tract	8-15 - 21	260-271
Apr 22 W	EXAM # 6 (autonomic, endocrine, reproductive) Reproductive Hormones and Gametogenesis			272-274
Apr 27 M	FINAL EXAM – 1:00 PM – 3:50 PM, SCC Room 224			