

# ANATOMY AND PHYSIOLOGY 202

Course #: 34-BIOL-202-001	<b>SYLLABUS</b>	David B. Fankhauser, Ph.D.
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A&P 202web pages: <a href="http://biology.clc.uc.edu/fankhauser/Labs/Anatomy_&amp;_Physiology/A&amp;P202/202_Table_contents.htm">http://biology.clc.uc.edu/fankhauser/Labs/Anatomy_&amp;_Physiology/A&amp;P202/202_Table_contents.htm</a>		

**COURSE OBJECTIVES:** Students will learn the macro- and microscopic structure of these human organ systems: the nervous system (including the special senses), the endocrine system, and to describe the principles of how and why these systems function. You will learn to perform hematocrits and blood cell counts. The relevant nomenclature and its etymology will be emphasized.

**REQUIRED TEXTS:** Bring **M** to class daily, and **VE** and **SG** to Lab on Tuesdays:

<b>M:</b> Martini, Nath & Bartholomew	Fundamentals of Anatomy and Physiology	9 <sup>th</sup> Ed. Prentice Hall, (2012).
<b>SG:</b> Gilbert, S.G.	Pictorial Anatomy of the Cat	Rvsd U. of Wash. Pr., (1991).

**REQUIRED EQUIPMENT: Notebook:** Bound, graph-lined Comp'n, 10 x 7 7/8. **Pen:** perm. black (Pilot, Uniball, Tombo. &c) Bring these to EVERY lab. All notes taken during Lab should be entered directly into this notebook.

**OPTIONAL:** The library has all of these optional texts on reserve. They also have videotapes on selected topics.

<b>MM:</b> Berkow, Robert, Ed.	The Merck Manual	18 <sup>th</sup> Ed. MS&D, (2006).
<b>KE:</b> Kapit & Elson,	The Anatomy Coloring Book	3 <sup>rd</sup> Ed. Harper Collins, (2001).
	Stedman's Medical Dictionary.	

Please fasten this schedule into the front cover of your copy of Martini's *Fund. of Anatomy & Physiology*, 8<sup>th</sup> Ed.

### QUIZZES ARE GIVEN THE LAST 20 MINUTES OF LECTURE

MONDAY	WEDNESDAY
1/2 Did you have a good New Year's Eve? Are you recovered yet?	1/4 Embryology of the nervous system Nerve histology and physiology KE:112-118 M:374-415,451,1089 VIDT QM 552 .V48 v.9
1/9 The Brain I: Ventricles Brainstem, Cerebellum SG:75-90 M:448-463 KE:119-123 FS QP 361 .N37x	1/11 The Brain II: <b>QUIZ I</b> Diencephalon and Telencephalon M:463-477 KE:124
1/16 <b>MARTIN LUTHER KING, JR. DAY</b>	1/18 <b>FIRST TEST</b> (Arrive on time for point and name section.)
1/23 Tests returned and discussed Cranial Nerves M:478-493 KE:133,SG:83	1/25 Spinal Cord M: 416-424
1/30 Spinal Nerves, reflex arc M:424-447 KE:128-133, 115	2/1 Autonomic nervous system <b>QUIZ II</b> SG:63-69, 92-101 M:516-545 KE:134-136 [NOTEBOOKS DUE 2/2]
2/6 Neural Integration Olfaction and taste M:548-555 KE:142, 126-127	2/8 <b>SECOND TEST</b> (Arrive on time for point and name section.)
2/13 Tests returned and discussed Vision: macroanatomy SG:102-110 M:555-565 KE:137-139 VIDT QM 552 .V48 v.25	2/15 Vision: histology & physiology SG:102-110 M:565-574 KE:137-139 VIDT QM 552 .V48 v.25 M: 574-581 Intro to anatomy of the ear
2/20 Internal anatomy of ear: Hearing and balance VIDT QM 552 .V48 v.24 M:581-592 KE:140-141	2/22 Intro to Endocrine System Pituitary Gland. M:593-609 KE:106-108 <b>QUIZ III</b>
2/27 Thyroid and parathyroid VIDT QM 552 .V48 v.23 M: 609-615 KE:109	2/29 <b>THIRD TEST</b> (Arrive on time for point and name section.) <b>[NOTEBOOKS DUE, 3/1]</b>
3/5 Tests returned and discussed Intro to adrenal glands; corticosterids M:615-619 KE:110 SG:40,67	3/7 Cortisone: effects and side effects; Pineal Gland Pancreatic endocrine function: Reg. of blood glucose M:619-637 KE:111 VE:229-233
Your grade will be determined by your position on a class histogram of student cumulative points (sum of points earned on tests, and quizzes). Median is low to mid B.	3/15 <b>FINAL EXAM</b> Thursday 10:30-12:30 (tentative) (During assigned Lab exam time.)

See *How to take Fankhauser Sophomore Level Course* for add'l information and suggestions.

Rvsd 29 Dec 2011