

ANATOMY AND PHYSIOLOGY 201

Course #: 34-BIOL-201
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SYLLABUS
 Autumn Quarter, 2011-2012

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COURSE OBJECTIVES: To learn the microscopic and macroscopic structure of the human body, in particular those of the integumentary, skeletal and muscular systems, and the principles of how and why these systems function. To learn and be able to use the nomenclature describing the structures and functioning of these systems, including its etymology.

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

M: Martini and Nath *Fundamentals of Anatomy and Physiology* 9th Ed. Prentice Hall, (2012).
SG: Gilbert, S.G. *Pictorial Anatomy of the Cat* Rvsd U. of Wash. Pr., (1991).

REQUIRED EQUIPMENT: Composition Notebook: Bound, graph-lined, 10 x 7. **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.

KE: Kapit & Elson, *The Anatomy Coloring Book* 2nd Ed, Harper Collins, (1993).
WI: Windholz,Martha, Ed. *The Merck Index* 11th Ed MS&D, (1989).
 Borror's *Dict. of Word Roots and Comb'ng Forms* Mayfld Pub., (1960).
Stedman's Medical Dictionary

Please fasten this schedule into the front cover of your copy of Martini's *Fund. of Anatomy & Physiology*, 7th Ed.

MONDAY	WEDNESDAY
<p>LAB meets Thursdays, 10:30 to 12:20 or 2:00 to 3:50. Always bring your lab notebook, and also, please bring Gilbert as indicated separately in the <i>Lab Schedule</i>.</p>	<p>9/21 Introduction to course KE: ix-2 Nomenclature: directions, locations, cavities M:1-22 VE:3-7</p>
<p>9/26 Protein structure, Cell Structure & Function KE:3,4 Transcription and Translation VE:7-25 M:26-61</p>	<p>9/28 Cells and Tissues: QUIZ I Epithelial Tissues M:62-120 VidTape QM 52 .V48 v.3 KE:5,6</p>
<p>10/3 Connective tissues, Types of cartilage KE:7,8 Muscle and Nervous tissue VE:27-43 M:120-143 VidTape QM 552 .V48 v.4 &v.6</p>	<p>10/5 <div style="text-align: center;">FIRST TEST</div></p>
<p>10/10 Tests returned and discussed Integument & accessory structures KE:161 M:144-168 VidTp QM 552 .V48 v.10</p>	<p>10/12 Bone Histology, classification, KE:8,13,17 Ossification M:169-196 VE:45-61 [NOTEBOOKS DUE10/13]</p>
<p>10/17 Axial skeletal system I: Bones of the cranium part I KE:18,19 M: 197-209</p>	<p>10/19 Axial II: Bones of the cranium II and of the face KE:19-20 M: 209-216 QUIZ II</p>
<p>10/24 Axial III: Bones of the neck and trunk Appendicular skeleton M:216-252 KE:, 25-32</p>	<p>10/26 <div style="text-align: center;">SECOND TEST</div></p>
<p>10/31 Tests returned and discussed KE:21-24 Introduction to articulations, movements M: 253-266</p>	<p>11/2 Classification of joints and movements Classic joints: shoulder, hip and knee M:266-278 KE:33,34</p>
<p>11/7 Muscle Tissue: KE35-40 Its molecular structure and function M:279-290 VE:75-83</p>	<p>11/9 Muscle Physiology KE35-40 M:290-321 VE:75-83 QUIZ III</p>
<p>11/14 Muscles of the head, neck and trunk KE:41-46 M: 322-349</p>	<p>11/16 <div style="text-align: center;">THIRD TEST</div> [NOTEBOOKS DUE TOMORROW, 11/17]</p>
<p>11/21 Tests returned and discussed Shoulder muscles KE:46-56 M: 350-353 VE:60-64</p>	<p>11/23 Muscles acting on the arm, forearm and hand M:353-359 [NO LAB TOMORROW!]</p>
<p>11/28 Muscles acting on the thigh and leg M:359-364 KE:46-56</p>	<p>11/30 Finish muscles of the leg Muscles of the foot. M:364-373 KE:57-61</p>
<p>Your grade is determined by your position on a class histogram of student cumulative points (sum of test, quiz and study group points). Midline is low to mid B range.</p>	<p>12/9 <div style="text-align: center;">FINAL EXAM</div> Friday 10:30-12:30</p>