ANATOMY AND PHYSIOLOGY 201

Course #: 34-BIOL-201 **SYLLABUS** David B. Fankhauser, Ph.D.
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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, Fredric H.	*Fundamentals of Anatomy and Physiology*	7th Ed.	Prentice Hall,	(2006).
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.

VE:	Eroschenko, V.P.	*di Fiore's Atlas of Human Histology*	9th Ed	Wlms&Wilk	(1999).
MM:	Berkow, Robert, Ed.	*The Merck Manual*	17th Ed.	MS&D,	(1999).
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*		Mayf'ld 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
LAB meets Tuesdays or Thursdays, 10:30 to 12:20. Please bring VE and/or SG as indicated separately in the *Lab Schedule*.	9/19 Introduction to course, nomenclature KE:ix-2 M:4-60 VE:3-7
9/24 Protein structure, Cell Structure & Function KE:3,4 Transcription and Translation VE:7-25 M:63-104	9/26 Cells and Tissues: **QUIZ I** Epithelial Tissues M: 107-118 VidTape QM 52 .V48 v.3 KE:5,6
10/1 Connective tissues, Types of cartilage KE:7,8 Muscle and Nervous tissue VE:27-43 M:118-140 VidTape QM 552 .V48 v.4 &v.6	10/3 Integument & accessory structures KE:161 M:142-177 VidTp QM 552 .V48 v.10
10/8 Bone Histology, classification, Ossification KE:8,13,17 M:180-203 VE:45-61 **QUIZ II**	10/10 Axial skeletal system: Bones of the cranium KE:18,19 M:206-216 **[NOTEBOOKS DUE10/13]**
10/15 Bones of the face, neck and trunk KE:19-20 M:217-239	10/17 **FIRST TEST**
10/22 Tests returned and discussed Appendicular skeleton M:239-256 KE:, 25-32	10/24 Introduction to articulations KE:21-24 Classification of joints and movements M:259-272
10/29 Classic joints: shoulder, hip and knee M:272-280 KE:33,34	10/31 **SECOND TEST**
11/5 Tests returned and discussed KE35-40 Muscle: its molecular structure and function M:284-323 VE:75-83	11/7 Muscles of the head and neck and trunk Shoulder muscles KE:41-46 M:327-350
11/12 Armistice Day, No Classes! (PEACE to all!)	11/14 KE:46-56 Muscles acting on the arm, forearm and hand M:350-363 **QUIZ III** VE:60-64
11/19 Muscles acting on the thigh and leg KE:46-56 M:363-367 **[NOTEBOOKS DUE TODAY, 11/21]**	11/21 **THIRD TEST**
11/26 Tests returned and discussed Finish muscles of the leg M:376-375 KE:57-61	11/28 Muscles of the foot. ANY QUESTIONS FROM REVIEWING FOR FINAL?
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.	12/7 **FINAL EXAM** Friday 10:30-12:30

See *How to take Fankhauser Sophomore Level Course* for additional information and suggestions.