

ANATOMY AND PHYSIOLOGY 2001, LECTURE SYLLABUS

FALL SEMESTER, 2015-2016

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Office: McD 215P. Hours: M&W, 10:15-11:15 AM

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COURSE OBJECTIVES: To learn the microscopic and macroscopic structure of the human body, in particular those of the integumentary, skeletal, muscular and nervous 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.

TEXT: Martini and Nath, *Fundamentals of Anatomy and Physiology*, 10th Ed. Prentice Hall, (2015).

REQUIRED LAB EQUIPMENT:

Composition Notebook: 10 1/4 x 7 7/8th inches, bound, graph-lined

Pen: Permanent. black (Pilot, Uniball, Tombo. &c)

DF: Fankhauser, David, *Anatomy and Physiology Lab Manual BIOL 2001/2002* . Morton Pub (2013)

SG: Gilbert, S.G ., *Pictorial Anatomy of the Cat*, Rvsd U. of Wash. Pr., (1991).

QUIZZES are given at 10:20, after 50 minutes of lecture.

TESTS include Point and Name portions, administered first and peer graded prior to taking the remainder of the test.

PASTE THIS LECTURE SCHEDULE INSIDE THE FRONT COVER OF YOUR TEXT BOOK FOR EASY REFERENCE.

25-Aug 2 to 25	Introduction to course Nomenclature: directions, locations, cavities Internal Membranes of the thorax and abdomen	27-Aug 65 to 112	Cell Structure & Function Transcription and Translation, Protein Structure Radioactivity
1-Sep 114 to 126	Intro to Cells and Tissues: Tissues I: Epithelial Tissues QUIZ I	3-Sep 126 to 149	Quiz returned, discussed Tissues II. Connective tissues; Types of cartilage Bone Histology (a connective tissue)
8-Sep	(Arrive prior to 9:30 to be ready for Point and Name!) FIRST TEST	10-Sep 151 to 163	Tests returned and discussed Intro to the Integumentary System
15-Sep 163 to 177 179 to 205	Integumentary System Accessory Structures Ossification, bone classification and features	17-Sep 207 to 219	Axial skeletal system I: Bones of the skull, part A: the cranium
22-Sep 219 to 239	Axial II: Bones of the skull: part B, facial bones Vertebral column, ribs QUIZ II, NOTEBOOKS DUE	24-Sep 242 to 262	Quizzes returned and discussed Appendicular skeleton Down to your toes!
29-Sep	(Arrive prior to 9:30 to be ready for Point and Name!) SECOND TEST	1-Oct 264 to 276	Tests returned and discussed Introduction to articulations, movements
6-Oct 276 to 287	Classification of joints Classic joints: shoulder, hip and knee	8-Oct 290 to 330	Tissues III: Muscle Tissue: Its molecular structure and physiology
13-Oct 333 to 351	Muscle structure and actions Muscles acting on the head and trunk QUIZ III	15-Oct	"READING DAYS"
20-Oct 351 to 369	Quiz returned, discussed Muscles of the shoulder and upper appendage Shoulder muscles	22-Oct 369 to 383	Muscles acting on the thigh and leg
27-Oct	(Arrive prior to 9:30 to be ready for Point and Name!) THIRD TEST	29-Oct 386 to 427	Tests returned and discussed Tissues IV: Nerve histology and physiology
3-Nov 462 to 470 1109	Embryology of the Central Nervous System Ventricles of the Brain	5-Nov 470 to 480	Brainstem, Cerebellum, Midbrain
10-Nov 477 to 487	Diencephalon, Telencephalon QUIZ IV	12-Nov 492 to 507	Quizzes returned and discussed Cranial Nerves 12 of them: OOOTAFAGVSH...
17-Nov	(Arrive prior to 9:30 to be ready for Point and Name!) FOURTH TEST	19-Nov 430 to 437	Tests returned and discussed Intro to Spinal Cord Anatomy
24-Nov 529	Spinal Cord associated nerves Spinal reflex arc, Sensory Pathways NOTEBOOKS DUE	26-Nov	THANKSGIVING HOLIDAY
1-Dec 532 to 561	Autonomic nervous system: Sympathetic, Parasympathetics Nervous Systems QUIZ V	3-Dec 487 to 491	Quiz returned, discussed Neural Integration
8-Dec	FINAL EXAM, 8:00 AM! (Arrive prior to 8:00 to be ready for Point and Name!)		24-Aug-15