

ANATOMY AND PHYSIOLOGY 1

BIOL 2651 Sections A & B

Fall 2014

Lecture TR 12:30 to 1:45pm

Room 1011 Level 1

Laboratories, New Biology extension, Level 1 Room 1203

Section A: Monday 10am to 11:50am (CRN: 81749)

Section B Monday 1pm to 2:50pm (CRN: 81750)

Instructor: Dr. M. F. Karim

Course objective: To provide students with—

1. Basic knowledge of anatomy and physiology involving the human body.
2. The fundamental needed for entry into careers that use human anatomy and physiology as a foundation
3. A basic knowledge of the human body that will allow them to make wise and educated decisions on their health and the health of their families.

Text book: Principle of Anatomy & Physiology by G. Tortora & B. Derickson, 13thed

Lab. Manual: Laboratory manual for Human Anatomy & Physiology, by Michael Smith and William J. Laughry

To be downloaded from this WEB site: www.valdosta.edu/~mfkarim

Chapter	Topic	Pages and Notes
1	Introduction	4-19
2	Chemistry	This chapter mainly deals with the structure of atom, molecule, ions etc. Concept of acid, base is also dealt with along with pH of body fluid. Details of organic compounds are also discussed. Structure and function of DNA are also dealt with.
3	Cellular biology	60--101
4	Tissues	Histology of the tissues and skin will be covered in the lab.
5	Integumentary sys.	140-159 Main focus will be on Skin structure and functions
6	Bone tissue	162-184 Basic information on structure, blood supply
7 & 8	Skeletal system	For most part, the bones of the skeletal system will be studied in the lab. Specific bones will be discussed in lecture. Questions may be asked on these specific bones
9	Axial and Appendicular Joints	244-272
10	Muscle tissue	Information about the type, structure and electrical properties of muscle tissues will be discussed here.
11	Muscular system	For most part, individual muscles will be studied in the lab. Specific muscles will be discussed in lecture.
12	Nervous tissue	Basic information, organization, neurons, RMP etc
13-14	Spinal cord & Spinal nerves	440-472 & 474-523 basic information, Neurons, organization, RMP etc
15.	Brain & Cr. nerves ANS	Brain, spinal cord, spinal nerves & cranial nerves etc 525-545 Sympathetic and parasympathetic systems

The above syllabus is designed to coincide as closely as possible with your lab. schedule. Primary emphasis on the test will be placed on the notes given in the class. However, some questions on the test will come directly from the book. Therefore it is important that you read the material in the text as listed above in association with the class notes. This will enhance your understanding. Lecture notes are also available in a web site. Students will be able to unload the WEB site and revise the topics during their leisure time

Test

# test	Chapters	Date
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Class attendance and behavior:

When I am lecturing, I expect students to behave themselves and maintain silence; however, your questions are encouraged. Students who will be found disrupting the class will be removed from the class and if necessary dropped from the course. You are now preparing for the future and successful completion of this course may determine your future job prospects and the programs that you are admitted to in other colleges. Class disruption is rude and inconsiderate of others who are trying to learn. Therefore,

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Please turn over

