BIOL 2401 Lab: Human Anatomy and Physiology I

Professor Alejandro Enriquez, M.S.

Course #: BIOL 2401-L2
CRN: 20284
Semester: Spring 2015
Lecture Time: W 1:40-4:20PM
Lecture Location: HSC214
Course Website: http://bio.prionspace.net/2401-lab (assignments and grades on Blackboard)

Email: alejandro.enriquez@victoriacollege.edu
Office Hours: M/T/F 12-2PM & M 6-8PM
Office Location: HSC 209-D
Office Phone: x3202
Office visits also available by appointment

Introduction

Welcome to Bio2401! This is the lab for part 1 of the series of the human body that jointly cover the entirety of the human body. 2401 will cover primarily cells, tissues, bones, muscles and nerves. There is a huge amount of material to cover, and my job is to make sure that it is organized and presented as accessibly as possible and be able to answer all of your questions. However, you will still have to put the effort in yourself to actually learn it! Please be prepared to spend a lot of time outside the classroom studying and. Let's have some fun!

Course Description

Study of the structure and function of human anatomy, including cell and tissue structure and function, skeletal, muscular and nervous systems. Co-enrollment in a lecture section is required. This course serves as a prerequisite for BIOL 2402.

Prerequisite(s): (AMS):

A grade of "C" or better in one semester of college-level biology or chemistry, CHEM 1406 is recommended, plus Texas Success Initiative complete in Reading and Writing. Recommended: One semester of college-level biology.

Learning Objectives (AMS)

The student will obtain an introductory level understanding of normal organ system anatomy and physiology. Students will be introduced to both anatomical and physiological terminology as it relates to the organ systems. The student, upon completing this course will be familiar with the basic concepts of human anatomy and physiology. Upon completion of this course, the student will be able to:

1. Demonstrate the use of logical reasoning and knowledge of levels of organization, cell structure & function, tissues, integumentary system, skeletal system, muscle, and nervous system.
2. The student will demonstrate the use of appropriate technology in the laboratory to study these systems.

Required Textbook(s), Supplies, and Materials (AMS):

Lab Materials

1. Exploring Anatomy & Physiology, 2e, Erin C. Amerman
2. Lecture Text: Tortora. Principles of Anatomy & Physiology, current edition
3. Dissecting Kit (You may be able to share)
4. 4 Accuscan Forms #28040
5. Several pairs of gloves for dissection (can be purchased in lab)

Assignments

Assignment	Points	Notes
Practical Exams	4x50	Notes are not permitted
Individual Lab Credit	25	Awarded by completing drawings and/or explanations
Group Lab Credit	25	Awarded by completion of lab activities
TOTAL	250	Grade is given to lecture instructor for incorporation into final grade

Instructor Expectations

I, the instructor, expect that I will be able to present material in an informational, accessible and entertaining manner that will facilitate your learning. I expect that if what I say does not immediately make sense that I will be able to assess your learning and provide supplementary instruction in the classroom, laboratory and/or office hours to complete your grasp of the material.

My expectations for you, the student, are that you will put forth your best effort to learn the material both in class and outside of class so that you can earn your grade fairly. I expect this to manifest itself as respectful behavior to me and to your fellow students while in lecture. I also expect you, the student, to reach out when you are having any trouble with the material, either by meeting with me in my office, emailing me, or studying with your fellow students. I expect you to treat the class as a serious matter and complete quizzes and exams within the allotted time.

Additional Policies

Any assignment can be completed at a time other than its scheduled time ONLY if either of the following conditions are met: (1) the situation is discussed in advance with the instructor, or (2) a documented medical or transportation emergency arises, with proof submitted to the instructor as soon as possible.

If you are disabled in any way and require any type of accommodation to effectively complete your college education please contact the Counseling Services in the Administration II Building (361-572-6414) or online at http://www.victoriacollege.edu/studentresources and get your disability documented so that you may secure accommodations.

Cheating of any kind will not be tolerated. This represents a threat to the integrity of the school and devalues the educational experience of your peers. Any evidence of cheating will be discussed with the instructor and likely with the dean of Math Science and P.E.

Tentative Schedule*

Week of:	**Subject**	**Exercise**
1/12	Welcome and Orientation Organ Systems Overview	Exercise 1
1/19	Martin Luther King Junior day	No Lab
1/26	The Microscope The Cell: Anatomy and Division	Exercise 3 Exercise 4
2/2	Classification of Tissues	Exercise 5
2/9	Integumentary System Rat Dissection	Exercise 6
2/16	Exam #1	Covers Exercises 1 & 3-6
2/23	Skeletal System *Bone identification*	Exercises 7 & 8
3/2	Skeletal System *Skeletal features*	Exercises 7 & 8
3/9	Spring break!	No Lab
3/16	Exam #2	Covers Exercises 7 & 8
3/23	Joints & Muscular Systems	Exercises 9, 10, & 11
3/30	Muscular Systems	Exercises 10 & 11
4/6	Exam #3	Covers Exercises 9-11
4/13	Nervous System	Exercises 12, 13 & 14
4/20	Nervous System	Exercises 12, 13 & 14
4/27	Exam #4	Covers Exercises 12-14
5/4	Finals Week	No Lab

*Class time may be required for use for surveys