

**LINCOLN UNIVERSITY**  
**FALL 2011 COURSE SYLLABUS**

**COURSE NUMBER:** DI 30 / UT 30

**COURSE TITLE:** Anatomy and Physiology

**COURSE CREDITS:** 3 Units = 45 lecture hours

**BASIC INFORMATION:**

Professor's name: Dr. Khatia Mania

Office Hours: Mon – Fri, 9:00 AM – 5:00 PM

Contact Telephone: (510) 628-8032

E-mail: mania@lincolnuca.edu

Meeting times: Tue & Thu, 9:00 – 11:45 AM

Room number: TBA

**TEXTBOOKS:**

1. PRINCIPLES OF ANATOMY AND PHYSIOLOGY (Tortora, Principles of Anatomy and Physiology) - by Gerard J. Tortora. Bryan H. Derrickson
2. ANATOMY & PHYSIOLOGY - by I. Edward Alcamo

Supplemental textbooks:

1. PHYSIOLOGY

By Robert M. Berne

Matthew N. Levy

2. THE HUMAN BODY IN HEALTH & DISEASE

By Barbara Janson Cohen

Dena Lin Wood

3. THE HUMAN BODY IN HEALTH & DISEASE

By Gary A. Thibodeau

Kevin T. Patton

**COURSE DESCRIPTION:** This course provides a basic study of the structure and function of the human body. Upon completion, students should be able to demonstrate basic understanding of the fundamental principles of anatomy and physiology. (3 units) *Prerequisite: SCI 31 or equivalent*

**COURSE OBJECTIVES:** Upon completion, students should be able to:

- demonstrate basic understanding of the fundamental principles of anatomy and physiology;
- explain the basic concepts of homeostasis and demonstrate the key concept as the most important unifying theme of the body systems;
- describe basic chemical and physical principles that are of particular importance in anatomy and physiology;
- demonstrate knowledge of functioning of each organ separately.

**INSTRUCTIONAL METHODS:**

Instructional methods will include lectures, classroom activities presentations and video material.

**EVALUATION:**

1. Homework and Quizzes- Written homework assignments will be given periodically: additionally, unannounced quizzes will be given during class time.
2. Final examination.

Grading Scale:

95-100	A
90-94	A-
87-89	B+
84-86	B
81-83	B-
78-80	C+
76-77	C
74-75	C-
72-73	D+
70-71	D
<b>69≤</b>	<b>F</b>

Class attendance	10%
Class activity	10%
Quizzes	20%
Midterm	20%
Homework	10%
Final exam	30%
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	100%

To successfully complete this course, the student must pass the quizzes, homework and final exam portions with a 70% or better.

The term grade is based on class activity, project, midterm and/or sum of quizzes, and final examination. Individual projects will be assigned at the beginning of the semester. Homework and presentations are due by the last meeting before the final examination.

Students should attend all the class meetings. In urgent situations, however, students may be absent for a maximum of four class meetings with prior notice to the instructor. Three late arrivals would affect the grade.

If you missed the class without valid reason no make-up for quizzes and presentations will be allowed. Student can retake only one unsatisfactory quiz. Students may use dictionaries during the class time and exam.

During the written exam, any student observed in a situation that could be considered suspicious (e.g., an open book within his/her field of vision, looking around or checking a cell phone or other wireless device, etc.) but no cheating is observed, will be warned. Once warned, any applicant found cheating on written exam will be failed for the exam and prohibited from retaking the written exam without permission from the dean.

Lecture is not a substitute for textbook. Students should read textbooks and use other sources to be prepared for the tests.

### **SCHEDULE OF TOPICS:**

08/23/11 – Anatomic and Physiologic Relationships within the Abdominal Cavity.

08/25/11 – The Skeletal System; Muscular System; Respiratory System.

08/30/11 – The Vascular System

09/01/11 – The Digestive System (GI tract, liver & pancreas).

09/06/11 – The Digestive System (gallbladder & biliary system).

09/08/11 – The Urinary System. The Spleen

09/13/11 – Retroperitoneum, peritoneal cavity & abdominal wall  
Midterm

09/15/11 – Anatomy of small parts (breast, thyroid, parathyroid)

09/20/11 – Thoracic cavity – heart (embryology + anatomy)

09/22/11 – Thoracic cavity – heart (Physiology, conduction system of the heart)

09/27/11 – The Nervous & Endocrine System

09/29/11 – The Male Reproductive System

10/04/11 – The Female Reproductive System

10/06/11 – Presentations and Homework

10/11/11 – Review and Final

### **DUE DATES:**

Due date for the homework and presentations is 10/11/2011.

Syllabus Revised: 8/22/2011