LINCOLN UNIVERSITY
DI 30 – Anatomy and Physiology
Fall 2014 Course Syllabus

COURSE NUMBER: DI 30

COURSE TITLE: Anatomy and Physiology

COURSE CREDITS: 3 units (45 lecture hours)

BASIC INFORMATION:
Class Meeting Hours: Tuesday 3:30 – 6:15 pm
Room number: TBA
Professor's name: Dr. Khatia Mania
Office Hours: by appointment
Contact Telephone: (510) 628-8032
E-mail: **mania@lincolnuca.edu**

TEXTBOOKS:
1. PRINCIPLES OF ANATOMY AND PHYSIOLOGY (Tortora, Principles of Anatomy and Physiology) by Gerard J. Tortora, Bryan H. Derrickson
ISBN-10: 0470565101; **ISBN-13**: 978-0470565100

2. ANATOMY AND PHYSIOLOGY by I. Edward Alcamo
ISBN-10: 0764144685; **ISBN-13:** 978-0764144684

Supplemental textbooks:

1. PHYSIOLOGY by Robert M. Berne, Matthew N. Levy,
   6th edition (2009), **ISBN-10:** 032307362X; **ISBN-13:** 978-0323073622
   5th edition (2003), **ISBN-10:** 0323022251; **ISBN-13:** 978-0323022255

2. THE HUMAN BODY IN HEALTH AND DISEASE
   By Barbara Janson Cohen
   12th edition (2012), **ISBN-10:** 1609139054; **ISBN-13:** 978-1609139056
   11th edition (2008), **ISBN-10:** 0781790735; **ISBN-13:** 978-0781790734

3. THE HUMAN BODY IN HEALTH & DISEASE
   By Gary A. Thibodeau, Kevin T. Patton
   5th edition (2009), **ISBN-10:** 0323054927; **ISBN-13:** 978-0323054928

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 and presentations.

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:

94-100	A
90-93	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
69≤	F

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

To successfully complete this course, the student must pass the quizzes, homework and final exam portions with a 70% or better. Students should attend all the class meetings. However, considering possible urgent situations, students may be absent from maximum four class meetings with prior notice to the instructor. Three late arrivals would affect the grade.
The term grade is based on attendance, 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 project are due by the last meeting before the final examination. No project or homework will be accepted after the due date.
If student missed the class without valid reason no make-up for quizzes and presentations will be allowed. No make up for missed or failed midterm. **Final examination if failed can be retaken only once**, **if failed second time, the subject is considered failed.**
Student can retake only one unsatisfactory quiz. Dictionaries can be used during the class time. No electronic devices during the test time.
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.
Student cannot leave the room during the test/exam. As soon as student leaves, the exam is considered finished.
Lecture is not a substitute for textbook. Students should read textbooks and use other sources to be prepared for the tests. Lecture is to guide the student for preparation to subject.

SCHEDULE OF TOPICS:
08/26/14– Anatomic and Physiologic Relationships within the Abdominal Cavity. The Skeletal System; Muscular System; Respiratory System.
09/02/14 – The Vascular System (abdominal vessels, vessels of the head and neck area
09/09/14 – The Vascular System (upper and lower extremity vessels)
09/16/14 – The Digestive System (GI tract, liver & pancreas)
09/23/14 – The Digestive System (gallbladder & biliary system)
09/30/14 – The Urinary System. The Spleen
10/07/14 – Retroperitoneum, peritoneal cavity & abdominal wall
Midterm examination.
10/14/14 – Anatomy of small parts (breast, thyroid, parathyroid)
10/21/14 – Thoracic cavity – heart (Embryology + Anatomy)
10/28/14 – Thoracic cavity – heart (Physiology, conduction system of the heart)
11/04/14 – The Nervous & Endocrine System
11/18/14 – Female Reproductive System. Male Reproductive System
12/02/14 – Presentations and Homework
12/09/14 – Review and Final

DUE DATE:
Due date for the homework and presentations is 12/02/14

Syllabus updated in August 2014
Note: Instructor may change this syllabus and course schedule at any time according to the judgment as to what is best for the class. Any changes will be declared ahead of time in class.