



# LINCOLN UNIVERSITY

## SCI 31 – Human Biology

### Spring 2013 Course Syllabus

**COURSE NUMBER:** SCI 31

**COURSE TITLE:** Human Biology

**COURSE CREDITS:** 3 Units (45 lecture hours)

**BASIC INFORMATION:**

Class Meeting Hours: Monday 9:00 AM – 11:45 AM

Room number: TBA

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

**TEXTBOOKS:**

**Human Biology: Concepts and Current Issues by Michael D. Johnson,**  
6th edition (2011), **ISBN-10:** 0321701674; **ISBN-13:** 978-0321701671

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:** The main purpose of the course is to study the organization (anatomy) and function (physiology) of the human body, from the single cell to the coordinated whole. Includes a consideration of body structure and function, reproduction, development, heredity and evolution, examination of the aspects of modern biology as it impacts the human species. (3 units)

**COURSE OBJECTIVES:** Upon completion of this course, students should complete homework projects and presentations. Student should be able to:

- demonstrate knowledge of human biology;
- understand each body system;
- understand functioning of human body as a system.

**INSTRUCTIONAL METHODS:**

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

**EVALUATION:**

1. Homework and Quizzes — Written homework assignments will be given at the beginning of semester: additionally, unannounced quizzes will be given during the 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%
	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. Student can retake only one unsatisfactory quiz. Final examination if failed can be retaken only once. 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 textbooks. 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:**

01/28/13 – Skeletal System

02/04/13 – Muscular System

02/11/13 – Respiratory System

02/25/13 – Digestive System, Nutrition

03/04/13 – Circulatory System

03/11/13 – Blood and Blood Vessels Lymphatic System, Lymph Nodes and Lymph Vessels

03/18/13 – Nervous System and Organs of Special Senses. Midterm Exam

03/25/13 – Endocrine System

04/01/13 – Urinary System

04/08/13 – Male Reproductive System

04/15/13 - Female Reproductive System

04/22/13 – Human development — embryo, fetus. Role of DNA in human body.

04/29/13 - DNA technology and genetic engineering. Development and aging. Cancer: uncontrolled cell division and differentiation.

05/06/13 – Presentations and Homework

05/13/13 – Review and Final

**Due date for the homework and project is 05/06/13**

**Syllabus was updated on 12/12/12**