



LINCOLN UNIVERSITY

SCI 31 – Human Biology

Summer 2012 Course Syllabus

COURSE NUMBER: SCI 31

COURSE TITLE: Human Biology

COURSE CREDITS: 3 Units

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

Class Meeting Hours: Monday & Wednesday, 9:00 AM – 11:45 AM

Room number: TBA

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 |
| 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.

Student can retake only one unsatisfactory quiz. Students may use dictionaries during the class time and exam. 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:

06/04/12 – Skeletal System

06/06/12 – Muscular System

06/11/12 – Respiratory System

06/13/12 – Digestive System, Nutrition

06/18/12 – Circulatory System

06/20/12 – Blood and Blood Vessels Lymphatic System, Lymph Nodes and Lymph Vessels

06/25/12 – Nervous System and Organs of Special Senses. Midterm Exam

06/27/12 – Endocrine System

07/02/12 – Urinary System

07/09/12 – Male and Female Reproductive System

07/11/12 – Human development — embryo, fetus. Role of DNA in human

body. DNA technology and genetic engineering. Development and aging. Cancer: uncontrolled cell division and differentiation.

07/16/12 – Presentations and Homework

07/18/12 – Review and Final

Due date for the homework and project is 07/16/12

Syllabus was updated on 04/24/12