

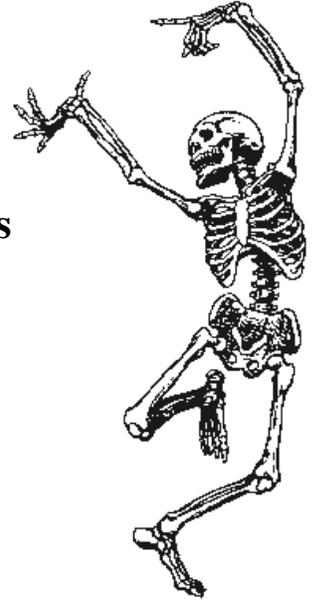
IMPERIAL VALLEY COLLEGE

BIOL 90 (10022)

Anatomy & Physiology for Health Occupations

Fall 2012

3 Credits



Instructor: Ms. Susan Moss, Associate Professor of Biology

Office: 2779

Office Phone Number: 760-355-5760

Email: susan.moss@imperial.edu

Office Hours: Monday & Wednesday 1:30 – 2:00 pm
Tuesday & Thursday 10:00 – 11:30 am

Class Meets: Tuesday & Thursday 8:35 – 10:00 am room 2727

Required Textbook:

Essentials of Human Anatomy & Physiology, Elaine Marieb, 10th edition

General Class Policies

- Attendance and punctuality are required. I start on time and expect you to be seated by the time class starts. If tardiness becomes a problem, I will start locking out late arrivers.
 - ❖ If your number of absences reaches 4, you will be dropped from the course.
 - ❖ Every 2 times you are late will count as 1 absence.
 - ❖ If you exceed the maximum number of allowed absences after the drop deadline, you will receive 0/30 attendance/participation points.
 - ❖ There are no “excused” absences. Every absence counts against you.
- Lecture outlines will be emailed to you and must be brought to class.
- Only **English** should be spoken during the class period.
- No talking during class lectures. Disruptive behavior will not be tolerated and can result in your being dropped from the course.
- No sleeping during class.
- Electronic devices such as cell phones and iPods must remain **OFF** during class. Laptops may be used for note-taking and voice recorders may be used to record lectures.
- No open food or drink containers are allowed in the classroom.

Course Description

This course provides an introductory study of the structure and function of the human body.

Course Objectives

- 1) The student will identify the basic organization of the human body from very simple to more complex levels during normal maturation and throughout the aging process.

- 2) The student will briefly describe the structure and function of cells, tissues, membranes, glands and organs; including a description of the properties of the integument.
- 3) The student will describe the organization and function of the skeletal, muscular, cardiovascular, respiratory, lymphatic, digestive, urinary, nervous, endocrine, and reproductive systems.
- 4) The student will list the structure, function and homeostatic regulation of the organs of special senses.

Student Learning Outcomes

- The student will explain how the major organ systems function.
- The student will apply his/her knowledge of organ system function to solve problems based on materials and situations not covered directly in class.
- The student will keep up- to-date with the materials that are covered in class.

IVC Withdrawal Policy

- ▶ The deadline for dropping a course without it appearing on your transcript is September 3rd.
- ▶ The deadline for dropping the course is November 10th.

Exams

Eight exams will be given. All exams are based on class notes/activities and will include essay-type questions as well as multiple-choice, fill-in, true/false and matching questions. There will also be diagrams to label. You must complete the exam by the end of the class period.

Make-up Exam Policy:

To be eligible for a make-up exam, you must notify me (by phone or email) **before the start of the exam** as to why you cannot be present for the exam. Make-up exams must be taken within one week of the scheduled exam day.

ADA Statement

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Program & Services (DSP&S) office (760-355-6312, room 2117, Health Sciences Bldg) as soon as possible.

Oral Presentation – Global Health Issue

Choose a human health problem/disease/disorder to present to the class. You will be required to independently research and present your topic to the class using a PowerPoint slide show. Presentations should last **6-7 minutes**. Your slide show should enhance your presentation... *not* be a script.

IMPORTANT: All topics must be pre-approved by October 30th, or you forfeit the assignment.

“In the News” – Current Research in Human Biology

Once during the semester, you will be required to find a news article related to human biology. The article can be from a science magazine, newspaper or an internet news source. It must be **current** (less than 2 months old) and must be a **news report** about recent research in human biology. You will turn in the article (or copy) along with a summary. **Your summary must be typed, double-spaced and stapled to the article.** In addition, you will present a brief summary of the news story to the class.

Some sources of news articles...

http://www.sciencedaily.com/news/health_medicine/

<http://www.cnn.com/HEALTH/>

<http://www.nytimes.com/pages/health/index.html>

<http://www.webmd.com/news/default.htm>

Extra Credit

The only opportunities for extra credit points will be in the form of **bonus questions** on each exam.

Grading

Your grade will be based on the total possible points **YOU** have earned (i.e. there will be no curve). The grading scale will be:

A \geq 90 %

B = 80-89 %

C = 70-79 %

D = 60-69 %

F \leq 59 %

- ◆ Exams: 125-165 pts each
- ◆ News article: 15 pts
- ◆ Class worksheets: 10-20 pts each
- ◆ Oral presentation: 25 pts
- ◆ Attendance, Participation, Class Conduct, Misc.: 30 pts

“Participation” means asking questions, answering questions, contributing thoughts and opinions.

“Class Conduct” means following the class policies listed on the first page.

IMPORTANT: ➤ If your overall exam average is below 60%, you will automatically receive an “**F**” for the course.

➤ If your overall exam average is 60 – 69%, you will automatically receive a “**D**” for the course.

Schedule

IMPORTANT: *Schedule is tentative and subject to change.*

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| 8/21 | Introduction |
| 8/23 | Scientific Method; Placebo Effect |
| 8/28 | Metric System Review |
| 8/30 | Ch 1 – The Human Body: An Orientation |
| 9/4 | Ch 2 – Chemistry of Life |
| 9/6 | EXAM 1 (material covered 8/23 – 8/30) |
| 9/11 | Ch 3 – Cells and Tissues; News Articles Group 1 |
| 9/13 | Ch 4 – The Integumentary System |
| 9/18 | EXAM 2 (Ch 2-3) |
| 9/20 | Ch 5 – The Skeletal System |
| 9/25 | Ch 6 – The Muscular System; News Articles Group 2 |
| 9/27 | EXAM 3 (Ch 4-5) |
| 10/2 | Ch 7 – The Nervous System |
| 10/4 | Ch 7 – The Nervous System cont. |
| 10/9 | Ch 8 – Senses; News Articles Group 3 |
| 10/11 | EXAM 4 (Ch 6-7) |

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| 10/16 | Ch 9 – The Endocrine System |
| 10/18 | Ch 10 – The Cardiovascular System: Blood |
| 10/23 | EXAM 5 (Ch 8-9) |
| 10/25 | Ch 11 – The Cardiovascular System: Heart & Vessels; News Articles Group 4 |
| 10/30 | Ch 13 – The Respiratory System; Topic approval deadline |
| 11/1 | EXAM 6 (Ch 10-11) |
| 11/6 | Ch 12 – The Lymphatic System and Body Defenses |
| 11/8 | Ch 14 – The Digestive System; News Articles Group 5 |
| 11/13 | EXAM 7 (Ch 12-13) |
| 11/15 | Ch 15 – The Urinary System |
| 11/20 | Ch 16 – The Reproductive Systems; News Articles Group 6 |
| 11/22 |  NO SCHOOL |
| 11/27 | <i>Presentations Part 1</i> |
| 11/29 | <i>Presentations Part 2</i> |
| 12/4 | EXAM 8A (Ch 14, 15, 16) – Written test |
| 12/6 | EXAM 8B (Ch 14, 15, 16) – Diagrams |

