

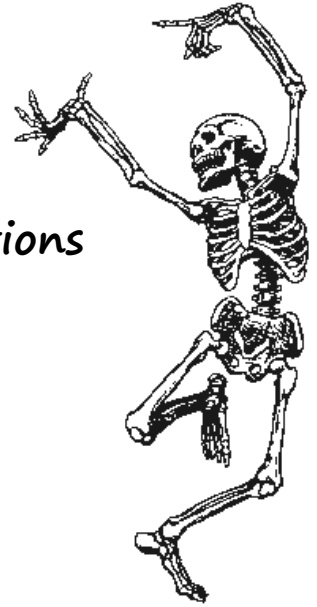
IMPERIAL VALLEY COLLEGE

BIOL 90 (20292)

Anatomy & Physiology for Health Occupations

Spring 2013

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 and I begin taking roll. If tardiness becomes a problem, I will start locking out late arrivers.
- Disruptive, inappropriate or offensive behavior of any kind will not be tolerated and may result in your being dropped from the course.
- No sleeping in class. You will be required to leave the room.
- Electronic devices must remain **OFF** during lecture and lab. Laptops may be used for note-taking and voice recorders may be used to record lectures.
- Only **English** may be spoken when class is in session.
- No open food or drink containers are allowed in the classroom.

Attendance Policy

- Each absence earns you **2** strikes.
- Each time you are late earns you **1** strike.
- If you reach **8** strikes, you will be dropped from the course.
- If you reach **8** strikes after the drop deadline, you will automatically receive 0/30 attendance/participation points.
- There are no “excused” absences. **Every absence counts against you.**

Course Description

This course provides an introductory study of the structure and function of the eleven organ systems that make up the human body.

Blackboard

PowerPoint slide shows that are shown in class will be available for viewing through your Blackboard account. <https://imperial.blackboard.com/>

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 January 27th.
- ▶ The deadline for dropping the course is April 13th.



Exams

Eight exams will be given. All exams are based on class notes/activities and will include multiple-choice, fill-in, true/false, short answer and matching questions. There will also be diagrams to label. Labeling must be done in **black pen**. You must complete the exam by the end of the class period.



Spelling

Spelling of structure names and terms counts on all exams. The penalty for each spelling error is ½ point. Scores that end up in the middle of two numbers will be rounded **down**. Example: a point total of 85.5 pts will be recorded as an 85.

Cheating Policy

Evidence of cheating will result in a zero grade for that exam and possible disciplinary action as well.

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**.

IMPORTANT: All topics must be pre-approved by March 26th, 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.

Good source of news articles... http://www.sciencedaily.com/news/health_medicine/

Extra Credit

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

Gifts

Please note that I am not able to accept gifts of any kind.

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 ≥ 90 %
- B = 80-89 %
- C = 70-79 %
- D = 60-69 %
- F ≤ 59 %

- ◆ Exams: 130 pts each
- ◆ News article: 15 pts
- ◆ Class worksheets: 10-20 pts each
- ◆ Oral presentation: 30 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.

Schedule

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

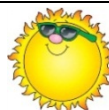
1/15	Introduction
1/17	Scientific Method; Placebo Effect
1/22	Metric System Review
1/24	Ch 1 – Introduction to Human Anatomy & Physiology
1/29	Ch 2 – Chemistry of Life
1/31	EXAM 1 (all material covered 1/17 – 1/24)
2/5	Ch 3 – Cells and Tissues; <i>News Articles Group 1</i>
2/7	Ch 4 – The Integumentary System
2/12	EXAM 2 (Ch 2-3)
2/14	Ch 5 – The Skeletal System
2/19	Ch 6 – The Muscular System; <i>News Articles Group 2</i>
2/21	EXAM 3 (Ch 4-5)
2/26	Ch 7 – The Nervous System
2/28	Ch 7 – The Nervous System cont.
3/5	Ch 8 – Senses; <i>News Articles Group 3</i>
3/7	EXAM 4 (Ch 6-7)

3/12	Ch 9 – The Endocrine System
3/14	Ch 10 – The Cardiovascular System: Blood

3/19	EXAM 5 (Ch 8-9)
3/21	Ch 11 – The Cardiovascular System: Heart & Vessels; <i>News Articles Group 4</i>

3/26	Ch 13 – The Respiratory System; Topic approval deadline
3/28	EXAM 6 (Ch 10-11)

SPRING BREAK



4/9	Ch 12 – The Lymphatic System and Body Defenses
4/11	Ch 14 – The Digestive System; <i>News Articles Group 5</i>

4/16	EXAM 7 (Ch 12-13)
4/18	Ch 15 – The Urinary System

4/23	Ch 16 – The Reproductive Systems & Pregnancy
4/25	<i>News Articles Group 6</i> ; “Science of Sex Appeal” documentary

4/30	<i>Presentations</i>
5/2	<i>Presentations cont.</i>

5/7	EXAM 8A (Ch 14, 15, 16) – Written test
5/9	EXAM 8B (Ch 14, 15, 16) – Diagrams

