



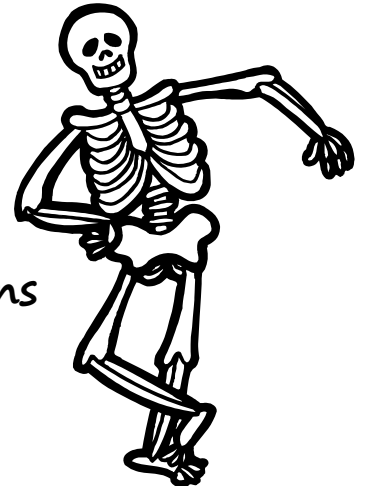
IMPERIAL VALLEY COLLEGE

BIOL 90 (10205)

Anatomy & Physiology for Health Occupations

Fall 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 2726

Required Textbook:

Essentials of Anatomy & Physiology, Ken Saladin & Robin McFarland, 1st edition, 2013.

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.
- Only English may be spoken when class is in session.
- Only voice recorders may be used to record lectures. Videotaping is never allowed.
- If your cell phone starts ringing, **10** points will be deducted from your final point total.
- No sleeping in class. You will be required to leave the room.
- 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.
- 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 human organism.

Blackboard <https://imperial.blackboard.com/>

PowerPoint slide shows will be available for viewing through your Blackboard account.

NOTE: The slides shows posted on BB will not be identical to what's shown in class.

Exam scores will also be posted, so that you may keep track of your exam average.

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 2nd.
- The deadline for dropping the course with a "W" is November 9th.



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.

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.

EXAM-TAKING RULES:

- ◆ Long hair must be tied back.
- ◆ No hats or hoods may be worn.
- ◆ Hands must remain on top of the table.
- ◆ Test pages must be folded under as you turn pages
- ◆ For matching, **capital** letters must be used.
- ◆ Black pen must be used for labeling.

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 due to spelling errors will be rounded **down**.

Cheating Policy

Evidence of cheating will result in a zero grade for that exam and possible disciplinary action as well. Please notify me if you see evidence of cheating.

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 October 29th or you forfeit the assignment.

Chapter Questions

At the end of some lecture periods, you will be assigned to answer some chapter review questions. Book sharing will not be permitted, so make sure you bring your book and some loose-leaf paper to each class. These assignments must be turned in before the end of the period.

“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>

Extra Credit

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

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.

Gifts

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

Grading

Final grades are calculated using a simple point system. Your grade will be based on the total points **you** earn divided by the total points possible. The grading scale will be:

- A \geq 90 %
- B = 80-89 %
- C = 70-79 %
- D = 60-69 %
- F \leq 59 %

- ◆ Exams: 130-140 pts each
- ◆ News article: 15 pts
- ◆ Chapter review questions and worksheets: 10-20 pts each
- ◆ Oral presentation: 30 pts
- ◆ Participation, Class Conduct, Misc.: 20 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 at the end of the semester 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.*

8/20	Introduction
8/22	Scientific Method; Placebo Effect
8/27	Metric System Review
8/29	Ch 1 – Introduction to Human Anatomy & Physiology
9/3	Ch 2 – Chemistry of Life
9/5	EXAM 1 (all material covered 8/22 – 8/29)
9/10	Ch 3 & 4 – Cells and Tissues; <i>News Articles Group 1</i>
9/12	Ch 5 – The Integumentary System
9/17	EXAM 2 (Ch 2-4)
9/19	Ch 6 – The Skeletal System
9/24	Ch 7 – The Muscular System; <i>News Articles Group 2</i>
9/26	EXAM 3 (Ch 5-6)
10/1	Ch 8 & 9 – The Nervous System
10/3	Nervous System cont.
10/8	Ch 10 – Senses; <i>News Articles Group 3</i>
10/10	EXAM 4 (Ch 7-9)

10/15	Ch 11 – The Endocrine System
10/17	Ch 12 – The Cardiovascular System: Blood
10/22	EXAM 5 (Ch 10-11)
10/24	Ch 13 – The Cardiovascular System: Heart & Vessels; <i>News Articles Group 4</i>
10/29	Ch 15 – The Respiratory System; Topic approval deadline
10/31	EXAM 6 (Ch 12-13)
11/5	Ch 14 – The Lymphatic System and Body Defenses
11/7	Ch 17 & 18 – The Digestive System; <i>News Articles Group 5</i>
11/12	EXAM 7 (Ch 14-15)
11/14	Ch 16 – The Urinary System
11/19	Ch 19 & 20 – The Reproductive Systems & Pregnancy
11/21	<i>Student Presentations</i> (finish 11/26, if need be)
11/26	<i>News Articles Group 6</i> ; documentary on the biology of attraction
11/28	 NO SCHOOL 
12/3	EXAM 8A (Ch 16-20) – Written test
12/5	EXAM 8B (Ch 16-20) – Diagrams

