

# ABRIDGED

**BIOL 202 AM (10041)**  
***Human Anatomy & Physiology 2***  
Fall 2016                      4 Credits

**Instructor:** Ms. Susan Moss, Professor of Biology  
**Office Phone Number:** 760-355-5760  
**Email:** susan.moss@imperial.edu

## Course Description

Part two of a two-semester study of the structure and function of the human organism and our eleven organ systems.

## Prerequisites

Completion of BIOL 200 with a grade of C or better, or MATH 90 or 91 with a grade of C or better and current California LVN license.

## Textbooks & Other Resources

### Required:

#### ► Textbooks (same as BIOL 200):

- 1) *Anatomy & Physiology: The Unity of Form and Function*, Saladin, 6<sup>th</sup> or 7<sup>th</sup> edition
- 2) *Human Anatomy & Physiology Laboratory Manual*, Marieb, 11<sup>th</sup> or 12<sup>th</sup> edition (Pig Version)

#### ► Safety glasses

**Recommended:** blank index cards (lots!), colored pencils, highlighters, camera for lab

## Classroom Rules and Etiquette

- 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 may start assigning extra homework to late-arrivers.
- Disruptive, disrespectful, inappropriate, or offensive behavior of any kind will not be tolerated and may result in your being dropped from the course.
- As per IVC policy, this course is conducted solely in English. Only English should be spoken in lecture & lab.

- Only voice recorders may be used to record lectures. Taking photographs or videotaping is never allowed during lectures.
- During class, if your cell phone starts ringing, **10 points** will be deducted from your final point total.

### Course Objectives

<http://imperial.curricunet.com/Report/Outline/988>

The student will describe the structure and function of the endocrine system, cardiovascular system, lymphatic system, respiratory system, urinary system, digestive system, and reproductive systems.

### Laboratory – Policies & Procedures

- You will be responsible for conducting yourself properly and safely during lab. This includes: handling materials and equipment carefully, following instructions, wearing safety glasses and keeping hair tied back when doing dissections, putting items back where you found them, not making any marks on the tables, and cleaning your area before leaving.
- When material from the Laboratory Manual is assigned, only original pages will be accepted and pages must be stapled in the correct order.\*
- For computer activities, no more than 2 people may work together.\*
- For all other activities, no more than 3 people may work together.\*
- All group members must participate in **all** activities.
- ONE worksheet is turned in per group.
- Everyone in a group will receive the same grade.
- Any group member who leaves before the assignment is completed and turned in will receive a **zero** grade.
- Each group member must write his/her **own** name on lab worksheets.\*
- Copying answers from another group's worksheet is not allowed.\*

**\*Point penalty for noncompliance!**

### Group Oral Presentation – Controversial Topics

You will work in small groups to research a controversial topic related to human health. Together, you will put together a PowerPoint presentation that highlights that main pros and cons of the issue.

## EXAMS

Most exams will include a **practical part** and a **written part**. Questions on both will be based on lectures, chapter diagrams, structure lists, and lab activities. Written tests may either be multiple-choice only or may include various types of questions such as: fill-in, matching, labeling and short-answer questions. All relevant diagrams in the text and lab manual are fair game on written tests and practicals. Most practical questions will be recall-type questions.

### NO Make-up Exams Will Be Given

If you notify me in advance that you have to miss an exam **and** you have a legitimate excuse with supporting documentation, I will prorate the first missed exam. Any other missed exams will receive a zero.

### EXAM-TAKING RULES:

- ◆ Long hair must be securely tied back.
- ◆ No hats or hoods may be worn.
- ◆ Hands must remain on top of the table.
- ◆ You may not leave the room while taking a test without a documented medical excuse.
- ◆ The only acceptable abbreviations are ATP and DNA.\*
- ◆ If you write in pen, you must have correction tape with you. Scratched out answers will automatically be marked wrong.\*
- ◆ Test pages must be folded under when you turn a page.
- ◆ For matching questions, **capital** letters must be used.\*
- ◆ Black pen must be used for labeling.\*

**\*Point penalty for noncompliance!**

### Spelling

You do not get full credit for knowing a structure if you cannot spell it correctly. Thus, spelling of structures and terms counts on ALL exams and practicals. Correct spelling also means writing your letters clearly and properly. The penalty for each spelling error is 1/2 point. An answer will simply be marked wrong if the spelling of it is deemed too far off or is illegible.

## Grade Calculation

Test scores that end up in the middle of two numbers will be rounded **down**. Final grades are calculated using a simple point system. If your test/practical average is  $\geq 70.0\%$ , your grade will be based on the total points you earn divided by the total points possible.

- ◆ Exams:  $\leq 200$  pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Presentation: 20 pts
- ◆ Participation: 30 pts.

**IMPORTANT:** ➤ If your exam average ends up below 60%, you will automatically receive an "F" for the course.  
 ➤ If your exam average ends up being between 60-69%, you will automatically receive a "D" for the course.

*If you can't pass the exams, you don't pass the class.*

<b>Additional Help</b>
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**Blackboard** (<https://imperial.blackboard.com/>)

PowerPoint slide shows will be available for downloading through your Blackboard account under “Modules.” NOTE: The slide shows posted on BB will not be identical to what’s shown in class. Thus, note-taking is mandatory for success. Also posted:

- Exam scores and overall test average
- Structure lists and helpful handouts. **Hard copies of the lists must be brought with you to the appropriate lab.**
- Unlabeled practice diagrams

<b>Tentative Schedule</b>
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(subject to change without notice)

	<b>LECTURE</b>	<b>LAB/STUDY PERIOD</b>
8/16	Introduction	Introduction
8/18	Intro to A&P 2	Diffusion
8/23	Ch 17 – Endocrine System	Surface to volume ratio
8/25	Ch 17 – Endocrine System	Endocrine – PhysioEx Experiments
8/30	<b>EXAM 1</b> Intro Lecture & Lab Material	Written Only: 9:00 - 10:30
9/1	Ch 18 – Blood	Blood & Blood Typing
9/6	<b>EXAM 2</b> Endocrine	Written: 9:00 – 10:30 Practical: 12:00
9/8	Ch 19 – Heart	Blood Vessel ID
9/13	Ch 20 – Blood vessels	Heart & Heart Quiz
9/15	<b>EXAM 3 – Blood Vessel ID</b> 9:00 – 10:30	Lab @ 11:00 Interactive Phys CD - Cardiovascular
9/20	Ch 22 – Respiratory System	Respiratory
9/22	<b>EXAM 4</b> Cardiovascular System	Written: 9:30 - 11:00 Practical: 12:00



9/27	Ch 21 – Lymphatic & Defenses	Respiratory – PhysioEx Experiments	
9/29	Ch 21 – Lymphatic & Defenses	Interactive Phys CD – Immune System	
10/4	<b>EXAM 5 Respiratory System</b>	Written: 9:00 – 10:30 Practical: 12:00	
10/6	Ch 25 – Digestive System	Digestion – PhysioEx Enzyme Experiments	
10/11	Ch 25 – Digestive System; Ch 26 – Cellular Respiration	Nutrition Internet Assignment	
10/13	Ch 23 – Urinary System	Interactive Phys CD – Digestive System	
10/18	<b>EXAM 6 Lymphatic System &amp; Defenses</b>	Written (with diagrams): 9:00 – 11:00	
10/20	Ch 23 – Urinary System	Interactive Phys CD – Urinary System	
10/25	Ch 24 – Water, Electrolyte & Acid-Base Balance	Ch 27 & 28 – Reproductive Systems	
10/27	<b>EXAM 7 Digestive System, Cellular Respiration &amp; Nutrition</b>	Written: 9:00 – 10:30 Practical: 12:00	
11/1	Ch 27 & 28 – Reproductive Systems	Reproductive Systems	
11/3	Ch 29 – Pregnancy & Development	<b>Group Presentation PREP</b>	
11/8	<b>EXAM 8 Urinary System; Water, Electrolyte &amp; Acid-Base Balance</b>	Written: 9:00 – 10:30 Practical: 12:00	
11/10	Ch 4 – Genetics & Heredity	Heredity	
11/15	Fetal Pig Dissection <b>QUIZ 1</b>	... cont.	
11/17	Fetal Pig Dissection <b>QUIZ 2</b>	... cont.	

11/29	<b>Group Presentation PREP</b>	<b>Presentations Start at 9:30 in lab</b>
12/1	<b>EXAM 9 Genetics &amp; Heredity</b>	<b>Written Only 9:00 – 10:30</b>
12/6	<b>EXAM 10 Reproductive Systems, Pregnancy &amp; Development</b>	<b>Written: 9:00 - 10:30 Practical: 12:00</b>