

ABRIDGED

BIOL 202 PM (20040)

Human Anatomy & Physiology 2

Spring 2017 4 Credits

Instructor: Ms. Susan Moss, Professor of Biology

Email: susan.moss@imperial.edu

Lecture: **Tuesday & Thursday** **2:00 – 3:00** **room 2726**

Lab: **Tuesday & Thursday** **3:30 – 6:25** **room 2736**

Course Description

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

Textbooks & Other Resources

Required (for both 200 & 202):

► **Textbook**

Anatomy & Physiology: The Unity of Form and Function, Saladin, 7th edition

► **Lab Manual** (*may NOT rent*)

Human Anatomy & Physiology Laboratory Manual. Marieb, 12th edition

► **Safety glasses**

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

Classroom Rules and Etiquette

(Rules may be added if problems arise.)

- 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 and lab.
- Only voice recorders may be used to record lectures. Taking photographs or videotaping is never allowed during lectures. “Smart phones” used as voice recorders must be placed next to me. Forward-facing cameras on laptops must be covered.
- During class, if your cell phone starts ringing, **10 points** will be deducted from your final point total.
- No open food or spillable drink containers are allowed in the classroom or lab... on the table OR floor. Such items will be thrown in the trash.

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.
- Lab work will consist of material taken from the Laboratory Manual and any additional worksheets assigned. Only original pages from the lab manual will be accepted and pages must be stapled in the correct order.*
- For lab 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.*
- Discussion among groups is permitted, but copying another group's answers is not.*

***Point penalty for noncompliance!**

Group 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. Some written tests will be only multiple-choice. Some written tests will include various types of 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.
- ◆ Test pages must be folded under when you turn a page.

- ◆ No hats or hoods may be worn.
- ◆ For matching questions, **CAPITAL** letters are required.*
- ◆ 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.*
- ◆ Answers will automatically be marked wrong if they are included with scratched-out answers. So, if you write in pencil, you must erase unwanted answers. If you write in pen, you must have correction tape with you to cover unwanted answers. *

***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. (*Some common mistakes to avoid are posted on Blackboard.*) 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. The grading scale will be:

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

- ◆ Exams (written and/or practical): ≤ 200 pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Presentation: 20 pts
- ◆ Participation: 30 pts.

“Participation” means asking questions in class and/or contributing thoughts, opinions, stories. In other words, you need to be an **active** member of the class ... not just be present! The quality of this experience depends on that! You must earn these points, so everyone starts at zero.

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

Additional Help

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

Library Services: You have access to tutors and workshops in the learning center, as well as study rooms and online access to a wealth of resources.

Me! : Don’t forget, I see us as a **team**, and my goal is for you to enjoy the class and be successful in it! No question is too small or too big, and you should ask as many questions as you need to. Comments and suggestions about the class are also always welcome.

Tentative Schedule

(subject to change without notice)

	LECTURE	LAB/STUDY PERIOD
2/14	Introduction	Introduction
2/16	Intro to A&P 2	Diffusion activities (<i>calculator needed</i>)
2/21	Ch 17 – Endocrine System	Surface area:volume activities (<i>calculator & colored pencils needed</i>)
2/23	Ch 17 – Endocrine System	Endocrine – PhysioEx Experiments (<i>calculator needed</i>)
2/28	EXAM 1 Intro Lecture & Lab Material	Written Only: 2:00 - 3:30
3/2	Ch 18 – Cardiovascular: Blood	Blood & Blood Typing
3/7	Ch 19 – Cardiovascular: Heart	Blood Vessel ID (bring red & blue pencils)
3/9	EXAM 2 Endocrine	Practical: 2:00 Written: 3:30 – 5:00
3/14	Ch 20 – Cardiovascular: Blood vessels	Heart & Heart Quiz
3/16	EXAM 3 – Blood Vessel ID	“Name the vessel” test with diagrams



		2:00 – 4:00
3/21	Ch 22 – Respiratory System	Respiratory
3/23	EXAM 4 Cardiovascular System	Practical: 2:00 Written: 3:30 – 5:00
3/28	Ch 21 – Lymphatic & Defenses	Respiratory – PhysioEx Experiments
3/30	Ch 21 – Lymphatic & Defenses	Interactive Phys CD – Immune System
4/4	EXAM 5 Respiratory System	Practical: 2:00 Written: 3:30 – 5:00
4/6	Ch 25 – Digestive System	Digestion – PhysioEx Enzyme Experiments
4/11	Ch 25 – Digestive System; Ch 26 – Cellular Respiration	Internet Research: Nutrition
4/13	EXAM 6 Lymphatic System & Defenses	Written (with diagrams): 2:00 – 4:00
***** SPRING BREAK *****		
4/25	Ch 23 – Urinary System	Interactive Phys CD – Digestive System
4/27	Ch 23 – Urinary System	Interactive Phys CD – Urinary System
5/2	Ch 24 – Water, Electrolyte & Acid- Base Balance	Interactive Phys CD - Water, Electrolyte & Acid-Base Balance
5/4	EXAM 7 Digestive System, Cellular Respiration & Nutrition	Practical: 2:00 Written: 3:30 – 5:00
5/9	Ch 27 & 28 – Reproductive Systems	Group Presentation PREP
5/11	Ch 27 & 28 – Reproductive Systems	Reproductive Systems
5/16	EXAM 8 Urinary System; Water, Electrolyte & Acid-Base Balance	Practical: 2:00 Written: 3:30 – 5:00

5/18	Ch 29 – Pregnancy & Development	Internet Research: Birth control & STDs
5/23	Ch 4 – Genetics & Heredity	Heredity
5/25	Group Presentation PREP (on your own)	Presentations Start at 3:00 in lab
5/30	EXAM 9 Reproductive Systems, Pregnancy & Development	Practical: 2:00 Written: 3:30 – 5:00
6/1	-----	<i>Optional</i> open lab times for genetics help 9:00 – 10:00 2:00 – 3:00
6/6	EXAM 10 Genetics & Heredity	Written Only 2:00 – 3:30