

ABRIDGED

BIOL 202 (20229) Human Anatomy & Physiology II Spring 2014 4 Credits

Instructor: Ms. Susan Moss, Associate Professor of Biology
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Required:

► Textbooks (same as BIOL 200):

Anatomy & Physiology: The Unity of Form and Function, Saladin, 6th edition
Human Anatomy & Physiology Laboratory Manual, Marieb & Mitchell, 11th edition

► Safety glasses

Recommended Materials: blank index cards (lots!), colored pencils, highlighters, camera

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.
- Rude and disrespectful behavior, such as sleeping or audible yawning, is not allowed.
- As per IVC policy, this course is conducted solely in English. Only English may be spoken when lecture or lab 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 open food or drink containers are allowed in the classroom or lab.
- Safety glasses must be worn and long hair tied back when experiments and dissections are done in lab.

Attendance Policy

- Each lecture & lab is considered a **separate** instructional period.
- Each missed instructional period earns you **2** strikes.
- Each time you are late earns you **1** strike.
- Each time you leave lab before your group's worksheet is completed and turned in will earn you **1** strike.
- If you reach **12** strikes, you will be dropped from the course.
- There are no "excused" absences. **Every absence counts against you.**

Exams

Six lecture 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 may also be diagrams to label. Exams will take place during the lab period, and you will have a maximum of **2 hours** to complete them.

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. No more than **ONE** exam may be made up.

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 when you turn a page.
- ◆ For matching & labeling, **capital** letters must be used.
- ◆ Black pen must be used for labeling.

Quizzes

Throughout the semester, quizzes will be given at the beginning of the lab period. The quizzes will be based on particular material in the textbook. The quizzes will be timed (15 min.). If you arrive late, you will not be given extra time. Only ONE make-up quiz will be granted.

Laboratory – Policy & 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 experiments & dissections, putting items back where you found them, and cleaning your area before leaving.
- Lab work will consist of material taken from the laboratory manual and any additional worksheets assigned. For some labs, you will be required to turn in a lab report. **Only original pages from the lab manual will be accepted.**
- 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 lab report 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 reports.
- There will be four LAB PRACTICAL exams. The practicals focus on lab-related material, but may include some lecture material as well. Most practical questions are recall-type questions. **No make-up lab practicals will be given.** **If you notify me in advance that you have to miss a practical **and** you have a legitimate excuse with supporting documentation, I will prorate the first missed practical. Any other missed practicals will receive a zero.**

Missed labs cannot be made up.

Spelling

Spelling of structures and terms counts on ALL exams and practicals. Correct spelling also means using the correct form of a structure name: singular or plural. For example, if a pointer is pointing to one lung bronchus and you write “bronchi” that would be a spelling error. The penalty for each spelling error is 1/2 point.

Oral Presentation – Global Health Issue

Choose a presentation topic that focuses on a problem/disease/disorder that relates to material covered in this course. It can be a vector-borne disease, genetic disorder, injury-related problem, or lifestyle-related problem. You will be required to independently research and present your topic to the class. Presentations should last **6-7 minutes** and a PowerPoint slide show is required.

Important: Your topic must be pre-approved by February 19th or you forfeit the assignment.

Grading

Test and practical 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 $\geq 70\%$, 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: 150 -175 pts. each
- ◆ Lab Practicals: 60 pts each
- ◆ Quizzes: 20 pts each
- ◆ Lab reports and class activities: 10-20 pts each
- ◆ Oral presentation: 30 pts
- ◆ Participation, Class Conduct, Misc.: 30 pts.

“Participation” means asking questions, answering questions, contributing thoughts and opinions. In other words, being an active member of the class!

“Class Conduct” means following class policies & procedures.

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

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

Schedule

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

LECTURE

LAB

1/22	Introduction	Review key concepts
1/24	Ch 17 – Endocrine System	Diffusion; Surface to volume ratio 
1/29	Ch 17 – Endocrine System	Endocrine – PhysioEx Experiments
1/31	Ch 18 – Blood	Blood and blood typing
2/5	Study Time & Office Visits	EXAM 1 (Key Concepts, Endocrine)
2/7	Ch 19 – Heart	Blood Vessels QUIZ 1: Blood disorders (Table 18.8 – ALL)
2/12	Open Lab	LAB PRACTICAL 1 @ 4:30 diffusion, S/V, endocrine glands & PhysioEx, blood lab
2/14	NO SCHOOL	-----
2/19	Ch 20 – Blood Vessels; Deadline for presentation topic approval	Heart 
2/21	Ch 22 – Respiratory System	BLOOD VESSEL ID TEST @ 4:00
2/26	Ch 21 – Lymphatic System & Defense	Respiratory QUIZ 2: Respiratory disorders (Table 22.5 – ALL)
2/28	Study Time & Office Visits	EXAM 2 (Cardiovascular)
3/5	Ch 21 – Lymphatic System & Defense	Interactive Phys CD – Immune System
3/7	Open Lab	LAB PRACTICAL 2 @ 4:30 heart, respiratory
3/12	Ch 25 – Digestive System	Digestion – PhysioEx Enzyme Experiments
3/14	Study Time & Office Visits	EXAM 3 (Lymphatic, Defense, Immune, Respiratory)

3/19	Ch 25 – Digestive System; Ch 26 – Cellular Respiration	Nutrition Internet Assignment
3/21	Ch 23 – Urinary System	PRESENTATIONS

3/26	Open Lab	LAB PRACTICAL 3 @ 4:30 Digestive, enzyme PhysioEx, Cellular Respiration
3/28	Ch 23 – Urinary System	PRESENTATIONS

4/2	Study Time & Office Visits	EXAM 4 (Digestive, Nutrition, Cellular Respiration)
4/4	Ch 24 – Water, electrolyte & Acid-Base Balance	Interactive Phys CD -- Water, electrolyte & Acid-Base Balance QUIZ 3: Urinary disorders (Table 23.3 – ALL)

4/9	Ch 27 & 28 – Reproductive Systems	“Science of Sex Appeal” documentary
4/11	Ch 27 & 28 – Reproductive Systems Ch 29 – Pregnancy & Development	Reproductive & Development QUIZ 4: Birth control & STDs (Deeper Insight 27.5 and 28.4)

4/16	Study Time & Office Visits	EXAM 5 (Urinary System, Water, Electrolyte & Acid-Base Balance)
4/18	Ch 4 – Genetics & Heredity	Heredity

SPRING BREAK

4/30	Fetal Pig Dissection cont.	
5/2	Fetal Pig Dissection and QUIZ cont.	

5/7	CADAVER OBSERVATION & QUIZ cont.
5/9	Open Lab	LAB PRACTICAL 4 @ 4:30 Urinary, Reproductive, Pregnancy/Development

5/14	Study Time & Office Visits	EXAM 6 – 3:00-5:45pm (Reproductive Systems, Pregnancy & Development, Genetics & Heredity)
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Safety glasses required