

ABRIDGED

Human Anatomy & Physiology 2

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Course Description

Part two of a two-semester study of the structure and function of the human organism, from the molecular to the gross level. This course may require the use of a human cadaver for observation and/or dissection.

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, 6th or 7th edition
- 2) *Human Anatomy & Physiology Laboratory Manual*, Marieb & Mitchell, 11th or 12th edition
(Pig Version)

► Safety glasses

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

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 may be spoken when lecture or lab is in session.
- Only voice recorders may be used to record lectures. Videotaping is never allowed.
- During class, 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 or dissections are done in lab.

- Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

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 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.*

***Point penalty for noncompliance!**

Oral Presentation – Global Health Issue

Choose a presentation topic that focuses on a human problem/disease/disorder that interests you. It can be a viral, bacterial or 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.

EXAMS

Most exams will include a **practical part** and a **written part**. Questions on both will be based on lecture notes, structure lists, and lab activities. Written tests will include multiple-choice, fill-in, T/F, matching and short-answer questions. Tests may also include diagrams to label. 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 tied back.
- ◆ No hats or hoods may be worn.
- ◆ Hands must remain on top of the table.
- ◆ If you write in pen, you must have correction tape with you. Scratched out answers will 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.

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 correctly. The penalty for each spelling error is ½ point.

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: ≤ 210 pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Oral presentation: 25 pts
- ◆ Participation, misc.: 30 pts.

*“Participation” means asking questions, contributing thoughts and opinions. In other words, being an **active** member of the class! You must earn these points!*

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 can'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. 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

Tentative Schedule	(subject to change without notice)
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8/18	Introduction	Review key concepts	
8/20	Ch 17 – Endocrine System	Diffusion; Surface to volume ratio	
8/25	Ch 17 – Endocrine System	Endocrine – PhysioEx Experiments	
8/27	Ch 18 – Blood	Blood and blood typing	
9/1	EXAM 1 8/18-8/20 Material, Endocrine		
9/3	Ch 19 – Heart	Blood Vessels	
9/8	Ch 20 – Blood vessels	Heart	
9/10	Ch 22 – Respiratory System	EXAM 2 – Blood Vessel ID	
9/15	EXAM 3 Cardiovascular System		
9/17	Ch 21 – Lymphatic System & Defenses	Respiratory	
9/22	Ch 21 – Lymphatic System & Defenses	Interactive Phys CD – Immune System	
9/24	Ch 25 – Digestive System; Topic Approval Deadline 7:00 am	Digestion – PhysioEx Enzyme Experiments	
9/29	EXAM 4 Respiratory		
10/1	Ch 25 – Digestive System; Ch 26 – Cellular Respiration	Nutrition Internet Assignment	
10/6	EXAM 5 Lymphatic System & Defenses		
10/8	Ch 23 – Urinary System	Interactive Phys CD – Digestive System	
10/13	EXAM 6 Digestive System, Cellular Respiration & Nutrition		
10/15	Ch 23 – Urinary System	Interactive Phys CD – Urinary System	

10/20	Ch 24 – Water, Electrolyte & Acid-Base Balance	Interactive Phys CD -- Water, Electrolyte & Acid-Base Balance
10/22	PRESENTATIONS - In lab	...continued
10/27	EXAM 7 Urinary System; Water, Electrolyte & Acid-Base Balance	
10/29	TBA	
11/3	Ch 27 & 28 – Reproductive Systems	PRESENTATIONS
11/5	Ch 27 & 28 – Reproductive Systems	Reproductive
11/10	Ch 29 – Pregnancy & Development	Internet research assignment
11/12	Ch 4 – Genetics & Heredity	Heredity
11/17	Fetal Pig Dissection QUIZ 1	... cont.
11/19	Fetal Pig Dissection QUIZ 2	... cont.
12/1	<i>CADAVER OBSERVATION & QUIZ</i> cont.
12/3	EXAM 8 Genetics & Heredity	
12/8	EXAM 9 Reproductive Systems, Pregnancy & Development	