

ABRIDGED

BIOL 200 AM (10038)

Human Anatomy & Physiology 1

Fall 2016

4 Credits

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Course Description

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

Prerequisites

MATH 091 or MATH 090 and CHEM 100 and BIOL 100 or BIOL 122 or BIOL 180 or BIOL 182 or MATH 091 or MATH 090 with a grade of "C" or better and Current California LVN/RN license.

Textbooks & Other Resources

Required (for both 200 & 202):

► Textbooks

- 1) *Anatomy & Physiology: The Unity of Form and Function*, Saladin, 6th or 7th edition
- 2) *Human Anatomy & Physiology Laboratory Manual*. Specially-packaged version available in the bookstore only.

► 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 and 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.
- No open food or drink containers are allowed in the classroom or lab.
- 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.*
- Copying answers from another group's worksheet is not allowed.*

***Point penalty for noncompliance!**

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 such as: fill-in, T/F, matching 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!**

Oral Presentation

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. **Important: Your topic must be pre-approved before 7:00am on October 24th or you forfeit the assignment. No exceptions.**

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: ≤ 200 pts. each (including practicals)
- ◆ Lab assignments: 10-15 pts each
- ◆ Presentation: 25 pts.
- ◆ Participation: 30 pts.

<p>IMPORTANT: ➤ If your exam average ends up <u>below 60%</u>, you will automatically receive an “F” for the course.</p> <p>➤ If your exam average ends up being between <u>60-69%</u>, you will automatically receive a “D” for the course.</p>

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

Tentative Schedule

(subject to change without notice)

	LECTURE	LAB/STUDY PERIOD
8/15	Introduction	Language of Anatomy & Word Roots
8/17	Scientific Method & Placebo Effect	Placebo video; Metric System Review
8/22	Ch. 1 – Introduction to A&P	Exam 1 Anatomy Terms & Word Roots Written only: 11:00 – 12:30
8/24	Ch. 2 – Chemical Basis of Life	Cell Chemistry
8/29	Exam 2 Intro, Metric, Sci Method & Placebo	Written only: 9:00 – 11:00
8/31	Ch. 3 – Cell Structure	Microscopy; Cell structure
9/5	NO SCHOOL	
9/7	Ch 3 – Cell Transport & Division	Exam 3 Cell Chemistry Written only: 11:00 – 12:30
9/12	Ch . 4 – DNA to Protein Synthesis	Diffusion, Cell cycle
9/14	Ch. 5 – Histology	Epithelial Tissues
9/19	Exam 4 DNA, Protein Synthesis, Cell	Written: 9:00 – 10:30 Practical: 11:45

	Structure & Division	
9/21	Ch. 5 – Histology	Tissues – Connective, Muscle, Nervous
9/26	Ch. 8&9: Bone ID in 2736	Bone ID; Tissue review
9/28	Exam 5 Tissues	Written: 9:00 – 10:30 Practical: 11:45
10/3	Ch. 6 – Integumentary System	Integument; Bone review
10/5	Exam 6 Bone ID	Open Lab: 8:30 – 10:00 Practical: 11:30
10/10	Ch. 7 & 10 – Skeletal System & Joints	Integument; Skeletal tissue; Joints
10/12	Ch. 11 – Muscular System	Muscles (Bring unlabeled diagrams)
10/17	Ch. 11 – Muscular System	IP CD - Muscles
10/19	Exam 7 Integument, Skeletal System, Joints	Written: 9:00 – 10:30 Practical: 11:45
10/24	Ch 12-15 – Nervous System (7 am: Topic approval deadline)	“ <i>Brain Sex</i> ” documentary
10/26	Ch 12-15 – Nervous System	CNS 
10/31	Exam 8 Muscular System	9:00 – 11:30
11/2	Ch 12-15 – Nervous System	IP CD: Nervous System
11/7	Ch 16 -- Senses	Senses: Taste & Touch
11/9	Ch. 16 – Senses	Senses: Eye & Ear 
11/14	Exam 9 Nervous System	Written: 9:00 – 10:30 Practical: 11:45
11/16	PRESENTATIONS in 2736	Cont.

THANKSGIVING WEEK BREAK

11/28	Exam 10 Senses	Written: 9:00 – 10:30 Practical: 11:45
11/30	PRESENTATIONS in 2736	Cont.
12/5	Exam 11 Key Concepts of Course	Written Only 9:00 – 10:30