

BIOL 200 PM (20039)
Human Anatomy & Physiology 1
Spring 2017 4 Credits

Instructor: Ms. Susan Moss, Professor of Biology

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Lecture: **Monday & Wednesday** **2:00 – 3:00** **room 2726**

Lab: **Monday & Wednesday** **3:30 – 6:25** **room 2736**

Course Description

Part one of a two-semester study of the structure and function of the human organism.

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):

▶ **Textbook** (*may rent*)

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

▶ **Lab Manual** (*may NOT rent*)

Human Anatomy & Physiology Laboratory Manual. Pig version. 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.

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!**

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.*
- ◆ 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. *
- ◆ Test pages must be folded under when you turn a page.
- ◆ For matching questions, **capital** letters must be used.*

***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 ½ point.

Class Presentation

Choose a presentation topic that focuses on a human problem/disease/disorder that interests you. It can, for example, 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.

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: ≤ 200 pts. each (written + practical, where applicable)
- ◆ Lab assignments: 10-15 pts each
- ◆ Presentation: 25 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, engaged** member of the class ... not just show up!

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.

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| Tentative Schedule | (subject to change without notice) |
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| | LECTURE | LAB/STUDY PERIOD |
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| 2/13 | Introduction | Language of Anatomy & Word Roots |
| 2/15 | Scientific Method & Placebo Effect | Placebo video; Metric System Review |
| 2/20 | NO SCHOOL | |
| 2/22 | Ch. 1 – Introduction to A&P | Exam 1 Anatomy Terms, Word Roots, Grammar Written only: 4:00 – 5:30 |
| 2/27 | Ch 2 – Chemical Basis of Life | Cell Chemistry |
| 3/1 | Exam 2 Intro, Metric, Sci Method & Placebo | Written only: 2:00 – 3:30 |
| 3/6 | Ch 3 – Cell Structure | Microscopy; Cell structure |
| 3/8 | Ch 3 – Cell Transport & Division | Diffusion, Cell cycle |
| 3/13 | Ch . 4 – DNA to Protein Synthesis | Exam 3 Cell Chemistry Written only: 4:00 – 5:30 |
| 3/15 | Ch. 5 – Histology | Epithelial Tissues |
| 3/20 | Exam 4 DNA, Protein Synthesis, Cell Structure & Division | Practical: 2:00 Written: 3:30 – 5:00 |
| 3/22 | Ch. 5 – Histology | Tissues – Connective, Muscle, Nervous |
| 3/27 | Ch. 8&9: Bone ID in 2736 | Bone ID; Tissue review |
| 3/29 | Exam 5 Tissues | Practical: 2:00 Written: 3:30 – 5:00 |

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| 4/3 | Ch. 6 – Integumentary System | Integument; Bone review |
| 4/5 | Ch. 7 & 10 – Skeletal System & Joints | Integument; Skeletal tissue; Joints; Bone review |

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| 4/10 | Exam 6 Bone ID | Open Lab: 2:00 – 3:30 (optional) Practical: 5:00 |
| 4/12 | Ch. 11 – Muscular System | Muscles (Bring unlabeled diagrams) |

***** **SPRING BREAK** *****

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| 4/24 | Ch. 11 – Muscular System | IP CD - Muscles |
| 4/26 | Exam 7 Integument, Skeletal System, Joints | Practical: 2:00 Written: 3:30 – 5:00 |

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| 5/1 | Ch 12-15 – Nervous System | “ <i>Brain Sex</i> ” documentary; Nervous system |
| 5/3 | Ch 12-15 – Nervous System | CNS |



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| 5/8 | Exam 8 Muscular System | Multiple-choice & diagram-labeling 2:00 – 4:00 |
| 5/10 | Ch 12-15 – Nervous System | IP CD: Nervous System |

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| 5/15 | Ch 16 – Senses | Senses: Taste & Touch |
| 5/17 | PRESENTATIONS in 2736 | ... continued |

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| 5/22 | Ch 16 – Senses | Senses: Eye & Ear |
| 5/24 | Exam 9 Nervous System | Practical: 2:00 Written: 3:30 – 5:00 |



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| 5/29 | NO SCHOOL | |
| 5/31 | Exam 10 Senses | Practical: 2:00 Written: 3:30 – 5:00 |

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| 6/5 | Exam 11 Key Concepts of Course | Written Only 2:00 – 3:30 |
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