

Anatomy & Physiology, BI 231

Classroom Lecture: Mon & Tues, 6-7:50pm

Labs: Wed 6-7:50 pm *or* Thurs 6-7:50pm

CRNs: 23098, 23536

Linn-Benton Community College

Fall 2015

INSTRUCTOR

Edie Sperling

WOH 220

Best/only way to contact me is e-mail: sperlie@linnbenton.edu

Office Hours: M, T, R 5:15-6pm, and after class (just ask!)

Required Materials

Marieb/Hoehn, Anatomy & Physiology, 10th ed.

Anatomy & Physiology Custom Lab Manual for LBCC

Lebsack and Lebsack, BI 231 Study Guide : Human Anatomy & Physiology

Introduction

Human Anatomy and Physiology BI 231 is an introduction to the structure and function of the human body. In this term we will examine basic chemistry, the cell, skin, the skeletal system, and the muscular system. Because the body can best be understood as a unified structure we will emphasize the interrelationships between the body's parts: communication between cells and organs, control systems, and homeostasis.

Course activities include lecture, labs, discussions, homework, student presentations, and in-class activities such as case studies and exams.

LEARNING OBJECTIVES and STUDY GUIDE

The Learning Objectives, located at the beginning of each section in the Study Guide, point out major facts and concepts that you should use to direct your studies. One of the most important skills students can learn is **Self-Assessment**. To be successful in College, you must be able to accurately assess your own level of understanding and preparedness. Reviewing the Learning Objectives will be an important component in this effort. Quiz and midterm questions will be based on, **but not limited to**, the objectives, material presented in the study guide and other information presented in class or obtained from worksheets given in class. However, it is important to realize that the course is much more than learning a series of related facts and concepts. During the year we will concentrate on critical thinking and problem solving and continue to talk about how people learn and effective study strategies. These may require you to develop new learning skills and strategies. Part of our goal for this class is to facilitate the development of these skills.

LABORATORY

Lab attendance is an important aspect of the course and is essential for a good grade. Homework and pre-lab assignments are typically due at the start of the lab (though not always). Material presented in lab will both complement lecture material and represent a portion of each future exam. We will also be demonstrating various study strategies in lab. The laboratory will have many assignments that will be due at the end of the lab period. If you are absent from lab it will be your responsibility to learn the material presented during that lab period, but you will generally be unable to make up the lab activity. Because there are 2 lab sections, please email to see if you can attend another lab should an occasional conflict develop. **YOU MUST ASK** – you cannot just choose to show up to a different lab.

If you must miss a LAB QUIZ please arrange with YOUR Lab Instructor a time to make up the quiz. If you miss a Lab quiz without prior arrangements you will NOT be able to make it up.

Rachel Jacobs will be teaching the WEDNESDAY section of the Lab.

GROUP MEETING/LECTURE (Mon/Tues)

The group meeting (lecture) is a very important part of the course. Advance preparation and attendance is essential for achieving a good grade. There will be a variety of activities occurring during these meetings including: lecture, discussions, worksheets, active learning, and group work. I encourage you to use your course calendar to identify the topics that we will focus on during class and scan the appropriate material in your textbook before class. You are also encouraged to bring to class information from other sources that relate to topics we are covering in class.

COURSE ASSIGNMENTS, QUIZZES, EXAMS

Course assignments, quizzes and exams give you a chance to review and to be challenged by the material you have learned and help you evaluate how you are doing in the course. All homework, quizzes, and activities are designed to help you learn. During the term there will be two lecture quizzes, two midterm exams, several lab quizzes, a variety of homework and lab assignments, as well as a comprehensive final exam. Timeliness should be an important component of all that you do and this course will be no exception. **No late work is accepted in this class!!!** If you know that you are going to miss a class then you can e-mail me your homework, turn it in the day before, or give it to someone else to bring to class on the day when the assignment is due. If you email an assignment to me, **it is your responsibility** to make sure that I received it by confirming with me. It is recommended that you make sure you receive your graded assignments back from me, so that you can review the information you may have missed and ensure you learn that material.

Quizzes and midterms will consist entirely of multiple-choice questions. Some questions will test your memory of structures and functions while others will require an application of your knowledge to unique situations and problems. If for any reason you are unable to take a lecture quiz or midterm at the scheduled time, and **fail to make arrangements** with the instructor prior to the exam, you will be given an alternate exam. A make-up exam will only be allowed **once**. If you use your make-up opportunity and miss additional exams those points will be earned during the final exam which will be appropriately prorated (ie, the final exam will be worth many more points for you). Be advised that the Testing Center is not usually open in the evenings, so if you cannot make it to the Testing Center during its open hours, you will not be able to make up the test. Communication is the key to making certain you have a good opportunity for completing all quizzes and exams.

Attendance Policy

As a student you are responsible for your registration, attendance, study habits and keeping up with course work. There is a lot of support on campus, including free tutoring in the learning center. If you miss class it is your responsibility to get any notes, materials, or assignments that you missed, either from another student or from me. (Remember: if you miss a lab, you can't make it up, so you will lose those points. However, you will still be responsible for the material we learned that day, which will be covered on quizzes and exams). I will not chase after you to remind you to turn in assignments or study for exams. I *will* provide you with many reminders regarding upcoming due dates and exam dates. Please see the schedule in order to keep on track.

Creating and Maintaining a Healthy Learning Environment

I value everyone as a student in my classroom and I expect that you will as well. Therefore we do not tolerate any disrespectful behavior towards anyone else in the classroom. Maintaining a healthy classroom atmosphere is an important component to learning. Please let me know if you have any issues, so that we can resolve them.

The LBCC community is enriched by diversity. Everyone has the right to think, learn & work together in an environment of respect, tolerance & goodwill. I actively support this right regardless of race, creed, color, personal opinion, gender, sexual orientation, or any of the countless other ways in which we are diverse.

Moodle e-Learning Site

Moodle will be used regularly for this class. Lecture slides, study guides, supplementary materials, and the extra credit assignment will all be made available there as necessary.

Mastering A&P

The online resource available through your textbook is called Mastering A&P. While we won't be using this site directly, and no required assignment are due in this format, it can be a valuable resource for studying. There are visuals, videos, self-quizzes, and other things that you may find useful. Your code for Fall 2015 is: **MAPSPERLING11212**.

Academic Integrity

Although collaboration is important in learning, ultimately each student is responsible for demonstrating individual ability. **Cheating on exams and copying homework/activities will result in a zero for that activity and results in further disciplinary action.** Exam results will be reviewed in class, but students will not be allowed to keep the exam questions. Any student may come to my office to review their exams in more detail, but no documentation of specific exam questions is allowed. Copying exam questions, taking pictures of exams or other forms of documentation are strictly prohibited & any student engaging in such activities may face further disciplinary consequences. **Plagiarism** is also cheating and includes turning in someone else's work as if it were your own, using sources (another person's ideas, words, or facts) without giving credit to them, not listing sources at the end of a paper or copying a paper off the Internet, etc. Further details about LBCC's policy on cheating may be found in the Administrative Rule: 7030-02, Academic Integrity. The basis for determining behavior and expectations in this class is outlined in the LBCC Student Handbook. Intention is not an excuse – if you "didn't know," you should have; you have been informed above.

Accessibility Statement

Please meet with me during the first week of class if:

- you have a documented disability and need accommodations
- I need to know medical information about you
- you need special arrangements in the event of an emergency

If you think you may need certain accommodations, please talk to me and contact Accessibility Resources, 917-4789. It's always better to receive the help you need earlier rather than later!

Cell Phone Policy

Please step out of the classroom if you need to take a call, keeping in mind that if you spend half your lab time on a phone call, further time will not be provided for you. Cell phones will be off the desks with ringers off during tests. You may not use your cell phone as a calculator (calculators will be provided as needed). You may also NOT have your cell phones out when tests are passed back for review.

Course Evaluation

Instructor feedback/course evaluations are online. You are strongly encouraged to complete this short questionnaire! I am very interested in your thoughts, feedback, and ideas, and often make changes based on what my students have to say. One extra credit point will be given to you for completing the eval (instructions in class).

Your Grade

Your grade is determined by the number of points you accumulate. This will then be converted to a percentage. The instructor reserves the right to change/delete/add assignments, pre-labs, and homework throughout the term. The points below for homework and lab activities are a **general estimate**.

Lecture Quizzes: 44 points each x 2 = 88

Lab Quizzes: various x 3 = 60

Lab Activities: 30

Homework: 20

Midterms: 88 points each x 2 = 176

Final Exam: 100 points

A = 90 - 100%

B = 80 - 89%

C = 70 - 79%

D = 60 - 69%

F = 59% or below

The incomplete and Y grades are no longer issued in the Biology Department.

Anatomy & Physiology Schedule, Fall 2015

Subject to change

	Monday	Tuesday	Lab: Wed or Thurs
Week 1	9/28 Course Introduction Homeostasis Chemistry <i>Reading for the Week in Textbook: Pgs. 1-18, 23-37, 41-50</i>	9/29 Biological Molecules: Proteins Polarity	9/30 or 10/1 Lab 1: Basic Skills
Week 2	10/5 Enzymes <i>51-54</i>	10/6 Enzymatic Reactions, ATP	10/7 or /8 Lab 2: Enzymes
Week 3	10/12 Lecture Quiz #1 Cells/Cell Division Genetics <i>61-68, 83-107</i>	10/13 Cells/Cell Division Cancer Membrane Function	10/14 or /15 Lab 3: Cells
Week 4	10/19 Membrane Structure Diffusion Osmosis <i>96-107, 68-78</i>	10/20 Tissues	10/21 or /22 Lab 4: Osmosis
Week 5	10/26 Midterm #1 Tissues <i>115-145</i>	10/27 Tissues	10/28 or /29 Lab 5: Tissues & Skeletal System 1
Week 6	11/2 Epithelial System (Skin) <i>151-169, 175-179</i>	11/3 Skeletal System	11/4 or /5 Lab Quiz 1: Tissues & Bones Part 1 Lab 6: Skeletal System
Week 7	11/9 Lecture Quiz #2 Skeletal System <i>179-194</i>	11/10 Skeletal System	Holiday – No Labs
Week 8	11/16 Skeletal System <i>251-266, 271-274, 279-281, 310-311, 282-295</i>	11/17 Muscular System	11/18 or /19 Lab Quiz 2: Bones Part 2 Lab 8: Muscular System
Week 9	11/23 Midterm 2 Muscular System	11/24 Muscular System	Thanksgiving Holiday – No Labs
Week 10	11/30 Muscular System <i>296-304</i>	12/1 Muscular System	12/2 or /3 Lab Quiz 3: Muscles Lab 10: Joints
Week 11	12/7 Final Exam: Monday 6-8pm		