

BIO 160: Introduction to Anatomy and Physiology Syllabus Spring 2008

Sections 17384 (lecture) and 17386/xxxxx (lab)

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COURSE DESCRIPTION:

Principles of scientific method. Structural organization, homeostasis and control mechanisms of the body. Specific chemistry concepts. structure and function of the major systems of the body.

Objectives:

- Describe the structural organization of the body.
- Describe homeostasis and homeostatic control mechanisms
- Describe specific chemistry concepts of the body.
- Describe the structure and function of the integumentary system and body membranes
- Describe the structure and function of the skeletal system and joints
- Describe the structure and function of the muscular system
- Describe the structure and function of the nervous system
- Describe the structure and function of the endocrine system
- Describe the structure and function of the cardiovascular system
- Describe the structure and function of the lymphatic system and immunity
- Describe the structure and function of the respiratory system
- Describe the structure and function of the digestive system.
- Describe the structure and function of the urinary system
- Describe the structure and function of the reproductive system

REQUIRED TEXTBOOKS:

Longenbaker, *Understanding Human Anatomy and Physiology*. 6th Edition.

Zao et al. PhysioEx 7.0 for A&P: Laboratory simulations in Physiology. (Book and CD-rom)

Highly Recommended:

Anatomy and Physiology Revealed CD-rom. (McGraw-Hill)

All texts and CD-Rom are available from the Phoenix College bookstore

In the case that books are sold out or not available 1st week of classes, please order your books online. They should be available at Amazon or other online booksellers.

GRADING:

1. The grade for the semester is determined by adding together all individual scores and dividing by total possible points to arrive at a percent score.

<u>Percent</u>	<u>Letter Grade</u>
90-100%	A
80-89%	B
70-79%	C
60-69%	D
59% or below	F

SCHEDULE:

All assignments are due on Wednesdays and Saturday before midnight unless otherwise noted.

W	May 21	Lesson 1: Orientation to the body is due
S	May 24	Lesson 2: The cell is due
W	May 28	Lab 1: Cell transport is due
S	May 31	Lesson 3: Tissues and membranes is due
W	June 4	Lesson 4: Integumentary System is due
S	June 7	Lab 2: Bones of the axial skeleton is due
W	June 11	Exam 1 (Lesson 1-4 due)
		Lesson 5: Skeletal System is due
S	June 14	Lab 3: Bones of the appendicular skeleton due
W	June 18	Lesson 6: Muscular system is due
S	June 21	Lab 4: Muscles of the body is due
W	June 25	Exam 2 (Lesson 5-6, Lab 2-4)
S	June 28	Lesson 7: Nervous system
		Lab 5: Neurophysiology
W	July 2	Lesson 8: Sensory system
S	July 5	Lab 6: Brain Anatomy and function
W	July 9	Exam 3: (Lesson 7-8, Lab 8)
S	July 12	Lesson 9: Endocrine system due
		Lab 7: Endocrine system
W	July 16	Lesson 10: Blood
		Lab 8: Blood
S	July 19	Lesson 11: Cardiovascular system
W	July 23	Lab 9 Cardiovascular Dynamics
S	July 25	Exam 4: (Lesson 9-11)
		Lesson 12: Respiratory System
W	July 30	Lab 10: Respiratory System
S	Aug 2	Lesson 13: Digestive System
W	Aug 6	Lesson 14: Urinary System
S	Aug 9	Exam 5: (Lesson 12-14)
		Lesson 15: Reproductive System
W	Aug 13	Comprehensive final exam (Lesson 15 makes up 50% of questions, 50 % is earlier Material)

ATTENDANCE POLICIES AND LATE SUBMISSIONS:

You have to be registered for both online lecture and lab sections in order to take this class.

Participation:

You are required to participate in this course and complete all assignments within deadlines that are outlined in your calendar in Blackboard. If you for some incredibly important reason have to miss a deadline you must send me an email in advance of the deadline to let me know.

Missing deadlines:

No one will be allowed missing more than one deadline in the course of the semester and late submissions of assignments, quizzes and tests beyond this one will result in you getting 0 points for that assignment. Having computer problems the night an assignment is due is not sufficient excuse to miss a deadline. Taking an online class requires motivation, planning, and good time management skills. Bad planning and time management is not an acceptable reason for late submissions.

Working ahead:

Though this is an online course it is designed with the general intention that all students will be going through the course at the same pace. There may be times when you will need to work ahead, maybe you are going out of town or have a particularly busy work week ahead of you. You may work ahead one week but in general you will need to follow the set pace of the class and course materials for future weeks may not always be available to you.

CLASS ASSIGNMENTS:

Lessons:

Every week you will be required to complete a lesson. Each lesson focuses on a chapter or a section of your textbook. It is very important that you read your assigned textbook pages in detail for each lesson. In your lesson you will have a list of terminology that covers the concepts and terms that are particularly important to know.

Lesson Review Quizzes:

Following each weekly lesson you will complete a lesson review quiz worth 25 points. You have to pass this quiz with a grade of 80% or higher in order to move on to the next lesson, but you have 5 attempts at these quizzes to achieve this grade. The quizzes are not timed and you can therefore use your textbook if you need to.

Other lesson assignments:

Some weeks you may have some short answer or essay questions to answer after each lesson. These will generally be worth between 10 and 20 points depending on scope.

Labs:

Most, but not all, weeks you will have lab assignments to complete. These assignments will often involve virtual experiments using PhysioEx. On 3 occasions you will be required to go to the Math and Science Center at Phoenix College in the course of the week and complete a practical exercise. Lab assignments are generally worth between 15 and 50 points depending on the scope of the assignment.

Exams:

You will have 6 Exams in the course of the semester. These are **timed** exams that you take from home and they are worth 200 points each. You only have one attempt at these exams and it is therefore very important that you do not start the exam until you have studied and have the time to complete the test. The exams will consist of 50-100 questions. The exams cover the material that you have studied since the last exam and are not comprehensive. The exception is the last exam which will consist of 50% questions from the last lessons and 50% questions from previous exams.

MEETING REQUIREMENTS/FIELDTRIPS:

This course is entirely online and does not require you to meet at campus.

WITHDRAWALS:

1. The last day a student may withdraw from the course without my signature is June 23rd. The student must file the withdrawal form with Admissions.
2. The last day a student-initiated withdrawal (with my signature) is accepted is also June 23rd.
3. If you quit attending class (miss more than 2 assignments in a row), and do not contact me with other instructions, I will withdraw you.

STUDENT SERVICES:

1. Phoenix College's **Math & Science Center** provides free tutoring, educational materials, computer-assisted instruction and student development workshops. The Math & Science Center is located East on the second floor of the Library. Bones and Lab models are also available for additional study outside your regularly scheduled laboratory.

ACADEMIC DISHONESTY and DISRUPTIVE BEHAVIOR:

One of the advantages of an online class is that you may study for your classes when you have time and at your own pace from week to week. However, it is hard for instructors to always determine if students are truly completing their own work. If I at any point in the semester suspect that a student is not completing their own work I will require you to show up on campus in person and take an alternate pen and paper exam/quiz.

When completing short answer and essay questions, make sure you are answering in your own words. Using somebody else's explanation is plagiarism and counts as academic dishonesty.

Any dishonesty will be dealt with in accordance with the Phoenix College handbook and will also result in you being reported to the Dean of Academic Affairs as well as possible withdrawal from the course.

DISASTERS PLAN IF BLACKBOARD IS DOWN:

In the event that blackboard is down in the 24 hours before a deadline you may submit your assignment within 48 hours after blackboard is back up and running.

In other words, if blackboard is down all day Saturday and your assignment is due by midnight, you are excused. If Blackboard is back up and running Sunday afternoon you have until Tuesday afternoon to submit your assignments and exams. This does not affect the deadlines for the following week which would still be on Saturday following.

DISCUSSION BOARD USE:

Every week there will be a new discussion board topic started for that week's lesson and lab. Any questions that you have regarding content of lessons you should post to the discussion board. That way other students can also benefit. I will answer questions posted on the discussion board within 24 hours.

Personal question regarding grades etc you can direct to me in a personal email.

When using the discussion board please follow general guidelines for courtesy and don't use slang and inappropriate language. Do not type your whole message in capital letters.

PERSONAL INFORMATION: THIS IS IMPORTANT!

Please fill out the personal information in your tools. This ensures that your instructor has an email address and phone number for you in case I need to contact you.