

Human Anatomy and Physiology Biology 201

Course Syllabus

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Section Numbers: 3474/3476
Meeting Times: TR 7:30-8:45/1:30-2:45
Location: LS129/LS122

Office Hours:	Monday	8:30 - 9:30	Tuesday	8:45 – 9:15
	Wednesday	11:30 – 12:30	Thursday	8:45 – 9:15
	Friday	11:00 – 12:00		

Textbooks:

Human Anatomy and Physiology, 6th Edition, Marieb
Photographic Atlas for A & P Laboratory, 5th Edition, Van de Graaff and Crawley (optional)
McMinn's Color Atlas of Human Anatomy, Abrahams et al. (optional)

Course Objectives:

The goal of this course is to provide students with an essential foundation in anatomy and physiology of human beings. Topics include histology, cells, tissues, and the integumentary, skeletal, muscular, and nervous systems. This course, along with its companion course BIOL202 and other basic science courses (microbiology, chemistry) will prepare students for advanced work in their chosen fields.

Course Requirements:

Four lectures will be given during the semester. The dates of the exams are indicated on the attached schedule. Twelve quizzes will be given in lecture, each worth 10 points. The two lowest quizzes will be dropped. In addition, a short paper on a topic of the student's choice will be due on October 30. Details regarding the paper will be provided within the first two weeks of the semester. Three lab practicals will be given during the semester as well as a group project, which will be presented during lab. Your grade will be based on the following:

Lecture		
4 Exams (100 pts. each)	400 pts.	
10 Quizzes (10 points each)	100 pts.	
Paper	25 pts.	
<i>Total for Lecture</i>		<i>525 pts.</i>
Lab		
3 Lab Practical (50 pts. each)	150 pts.	
Group Presentation	25 pts.	
<i>Total for Lab</i>		<i>175 pts.</i>

TOTAL

700 pts.

Grades will be based on the following points:

A	630 minimum points	(90%)
B	560 minimum points	(80%)
C	490 minimum points	(70%)
D	420 minimum points	(60%)
F	less than 420 points	

Material covered on the exams will come directly from lecture and assigned readings, to be announced in class. It is therefore essential that students attend all lectures and take detailed notes.

Makeup exams will be given for excused absences *only*, such as documented illness, family emergencies, etc. Makeup exams may be of an entirely different format than regular exams.

*Academic dishonesty of any form will not be tolerated.
The penalty for cheating on an exam or plagiarizing a paper will be an F for the course.*

Attendance Policy:

You are required to attend class for full credit. An excused absence includes the following circumstances: documented official absence (e.g. school function, with official verification), a religious holiday that I have been notified of prior to the absence, injury, sickness, or loss of relative. All require proper documentation. Any other type of absence, or an absence without documentation, is unexcused.

Withdrawal and Incomplete Policy:

Upon request, the instructor can withdraw a student through the first 10 weeks of the course with a grade of "W". After the 10th week, the instructor can withdraw a student with a grade of "Y" unless the student is passing. Withdrawals will not be issued after the last day for student withdrawals, December 1.

An incomplete (I) will be given to a student who has completed at least 80% of the required coursework, is passing, and is unable to complete the remaining coursework due to illness or other circumstances beyond the student's control. If approved by the instructor, the student and instructor will complete an Incomplete Contract, which will specify the work needed to be done and the deadline for completion (not to exceed 7 months). The student WILL NOT re-register for the class in order to remove the grade of "I".

Student Disabilities:

The college will make reasonable accommodations for persons with documented disabilities. Students should notify Students Services and their instructors of any special needs.

Human Anatomy and Physiology I
BIO 201

Note: Course content may vary from this outline to meet the needs of this particular group

DATE	TOPIC	READINGS
Aug 26	Homeostasis and Thermodynamics	Chpt. 1, Chpt. 2 pgs. 26-27
Aug 27	Chemistry Review	Chpt. 2
Sep 2*	Cell Review and Membrane Structure	Chpt. 3 pgs. 64-69, 83-96
Sep 4	Membrane Transport	Chpt. 3 pgs. 69-83
Sep 9*	Histology – Epithelium Connective Tissue	Chpt. 4 pgs. 118-126, 126-137, 142-144
Sep 11	Integumentary System	Chpt. 5 pgs. 152-164
Sep 16*	Integumentary System	Chpt. 5 pgs. 164-167
Sep 18	Bone Structure and Function	Chpt. 6 pgs. 176-193
Sep 23	Exam I	
Sep 25	Skeletal System	Chpt. 7
Sep 30*	Articulations	Chpt. 8 pgs. 253-275
Oct 2	Excitable Tissue Physiology	Chpt. 11 pgs. 399-406
Oct 7*	Skeletal Muscle Anatomy	Chpt. 9 pgs. 280-289
Oct 9	Skeletal Muscle Physiology	Chpt. 9 pgs. 290-300
Oct 14*	Skeletal Muscle Physiology	Chpt. 9 pgs. 300-309 Chpt. 10 pgs. 325-330
Oct 16	Smooth Muscle	Chpt. 9 pgs. 309-319
Oct 21	Exam II	
Oct 23	Nerval Histology	Chpt. 11 pgs. 388-397
Oct 28*	Neurophysiology	Chpt. 11 pgs. 397-414
Oct 30	Neurophysiology PAPER DUE	Chpt. 11 pgs. 415-423
Nov 4*	Spinal Cord and Nerves	Chpt. 12 pgs. 469-479 Chpt. 13 pgs. 497, 508-510 517-518
Nov 5	Reflexes	Chpt. 13 pgs. 520-526
Nov 11	<i>Veteran's Day – no classes</i>	
Nov 13	Brain Structure and Function	Chpt. 12 pgs. 431-456 463-467
Nov 18	Exam III	
Nov 20	Brain Function	Chpt. 12 pgs. 456-462
Nov 25*	Autonomic Nervous System	Chpt. 14 pgs. 532-541
Nov 27	Thanksgiving	
Dec 2*	Autonomic Nervous System	Chpt. 14 pgs. 541-550
Dec 4	Sensory Receptors	Chpt. 13 pgs. 490-497 Chpt. 15 pgs. 555-560
Dec 9*	Eyes and Vision	Chpt. 15 pgs. 560-581
Dec 11*	Ears and Hearing and Equilibrium	Chpt. 15 pgs. 581-598
Dec 16	Final Exam	

* indicates dates of quizzes