

LANCASTER GENERAL COLLEGE OF NURSING AND HEALTH SCIENCES
 BIO 175.01
 Spring 2007

- I. **Title:** Human Anatomy & Physiology 1
- II. **Course Description:** This is an introductory course in the fundamental elements of human structure and function including cellular physiology, tissue organization, integumentary system, skeletal system, muscular system, nervous system and senses. Unifying themes, such as homeostasis, will be covered.
- III. **Prerequisite:** None
- IV. **Co-Requisite:** None
- V. **Placement:** First year
- VI. **Time Allotment:** 45 hours (Theory) 45 hours (Lab)
- VII. **Faculty:** Amy Troyer
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Office Hours: Mon 3:00-4:00
 Tues 11:00-1:00
 Wed 12:00-2:00
 and by appointment
- VIII. **Credits:** 4 Credits
- IX. **Evaluation:** For an average grade, I expect students to: 1) attend all classes, 2) work hard, and 3) master the basic material. I encourage you to set you sights on more ambitious grades and work to acquire a greater mastery of A&P. All grades are explained below.

A	935-1000 points	Excellent – You are able to synthesize and apply the material to new situations
A-	895-934	
B+	865-894	Good – You know and understand material, and can sometimes apply the material to new situations
B	835-864	
B-	795-834	
C+	765-794	Average – You know and understand the material. You have not mastered synthesis and application of material.
C	735-764	
C-	695-734	
D+	665-694	Below Average – You have learned some of the material but are not competent in all the concepts.
D	635-664	
D-	595-634	
F	<595	Failing – You may have learned, but not to a passable level

Assessment Components*		Points Possible
Individual	Lecture Exam 1	50
	Lecture Exam 2	100
	Lecture Exam 3	50

	Lecture Exam 4	75	
	Final Exam	150	
	Individual Minitests	75 (25 pts each)	
Lab	Lab Practicals	205 (45-60 pts each)	
	Lab Assignments/ Exit Quizzes	50 (10 pts each)	
	Pre-Lab Exercises (drop lowest grade)	50 (5 pts each)	
Group	Group Minitests	75 (25 pts each)	Modified by peer evaluation
	Case Studies	60 (20 pts each)	
	Group Activities	60 (20 pts each)	
Total		1000	

*Descriptions for the Assessment Components are located in Section XIII – Class Requirements.

X. Required Texts:

Martini, F.H. (2006) Fundamentals of Anatomy and Physiology, 7th edition.
San Francisco: Benjamin Cummings.

Amerman, Erin C. (2006) Exercises for the Anatomy & Physiology Laboratory.
Englewood: Morton Publishing Company.

Van De Graaff, Kent M. & John L. Crawley (2003) A Photographic Atlas for the Anatomy
& Physiology Laboratory, 5th edition. Englewood: Morton Publishing Company.

Recommended Text:

Krieger, Paul A. (2005) A Visual Analogy Guide to Human Anatomy. Englewood: Morton
Publishing Company.

XI. Course Objectives:

Given the theoretical and laboratory experiences, at the completion of Human Anatomy and Physiology 1 the student will demonstrate that they have the knowledge to:

1. Understand the scope of studies in anatomy and physiology.
2. Differentiate between the various cellular components involved in human cellular physiology
3. Explain the elements of tissue organization
4. Identify the various components involved in human integumentary system
5. Explain the development and function of the skeletal system, and identify bones according to their microscopic and gross anatomy
6. Identify selected muscles of human muscular system and explain the functions of this system.
7. Compare the components and functions of the human nervous system
8. Describe the human senses
9. Describe the major anatomical components and functional role of the endocrine system
10. Apply knowledge of the above systems to current case studies of homeostatic imbalances within these systems. Recognize the implications these imbalances would have in the student's field of study.

XII. School Policies: Students are held accountable for all policies in the Student Handbook and any revisions made to those policies during the academic year.

XIII. Class Requirements:

Individual work - will consist of 4 exams and 3 minitests. Minitests are administered at the beginning of class. If you are tardy or absent for a minitests you will NOT be permitted to reschedule the mini-opportunity.

One exam can only be rescheduled due to an extenuating circumstance, this includes lecture exams and lab practicals. Any missed exam will receive a ten percent grade deduction if the student contacts the instructor prior to the next lecture day to schedule a time to take the exam. Otherwise, the student will receive a zero for that exam.

Lab work - will consist of 2 lab assignments, 3 exit quizzes and 11 pre-lab exercises (the lowest score will be dropped) and 4 lab practicals (the last lab practical is NOT comprehensive). If you are absent for the lab you will receive a zero for the pre-lab exercises, lab assignment and exit quiz, if given. Lab assignments will be completed as a group and submitted during the allotted lab time.

Group work - will consist of 3 case studies, 3 group minitests and 3 group assignments. Case studies begin as an in class assignment with a scenario of a patient, the group will determine a problem and formulate a solution. Group minitests and group assignments will occur in class also. If you are absent on the day group work occurs, you will receive a zero for the portion of your group grade

Group work is modified by peer evaluations. Each individual (anonymously) will rate all of the other members of their groups at the end of the course. Individual peer evaluation scores will be the average of the points they receive from the other members of their group

It works like this: If a student gets an average score of 10 from his group members then he will receive all of the possible points of the group. If he receives an average of 9, he will only receive 90% of the possible group score.

Final Exam – The final exam will include 50 points from the final unit and 100 points that are comprehensive.

Each student MUST receive at least 60% in the individual, lab, group and peer performance areas in order to pass the course. That is even if you receive a perfect 100% in the lab, individual and group performance and yet receive 50% in the peer evaluation, you will fail. Your teammates clearly believed you shirked your responsibility. The instructor reserves the right to overrule the peer evaluation score if it appears that there will be a miscarriage of justice.

XIV. Policies and Procedures:

A. **Class attendance:** Students are responsible for all materials presented and announcements made in class, regardless of attendance. It is the student's responsibility to obtain materials and assignments if absent. Warning: you will not want to be absent—otherwise your grade will surely suffer.

B. **Standards for writing assignments:** All written work submitted must follow the College Writing Guidelines as stated in your Student Handbook.

C. **Academic dishonesty and plagiarism policy:** Academic dishonesty violates the spirit and purpose of an academic community and is therefore subject to disciplinary action. Academic dishonesty includes cheating on examinations and unauthorized duplicated submission of work. Plagiarism is an act of academic dishonesty. Any work submitted that is not your own is an act of plagiarism. In preparing assignments, you must acknowledge in writing any use of outside sources or any assistance you received in preparing an assignment. If I find that you have committed an act of academic dishonesty or have plagiarized material, I will award a failing grade for that assignment. If the occurrence is during an examination, you will receive a zero and must leave the room. If you disagree with the decision, you may follow the College grievance procedure.

XIV. Revisions: This syllabus will be revised if needed. Revisions will be distributed in writing to you via email attachment and posted on Blackboard.