

Lancaster General College of Nursing and Allied Health
BIO 176.01 & 176.02 COURSE SYLLABUS SPRING 2007

- I. **Title:** Human Anatomy & Physiology II
- II. **Course Description:** This course is a continuation of Anatomy and Physiology 1 (BIO 175) and includes: the cardiovascular system the lymphatic system and immunity; the respiratory system; the digestive system and metabolism; the renal system; fluid/electrolyte and acid/base balance; and the reproductive system. Unifying themes, such as homeostasis, will be expanded upon.
- III. **Prerequisite:** Human Anatomy & Physiology I
- IV. **Co-Requisite:** None
- V. **Placement:** Spring Session
- VI. **Time Allotment:** 45 hours (Theory) 45 hours (Lab)
- VII. **Faculty:** **Lecture & Lab Instructor:** Philomena Behmer **Telephone:** 544-4912 Ext 76978
E-mail: pmbehmer@lancastergeneral.org **Office:** 3420 (434 North Lime St.)
Office Hours: Mon 10:00-1:00, Wed 11:00-12:00, Thur 12:00-1:00 and by appointment
- VIII. **Credits:** 4 Credits
- IX. **Evaluation:**
- | | | | | | |
|----|-----------------|----|---------|----|---------|
| A | 935-1000 points | B- | 795-834 | D+ | 665-694 |
| A- | 895-934 | C+ | 765-794 | D | 635-664 |
| B+ | 865-894 | C | 735-764 | D- | 595-634 |
| B | 835-864 | C- | 695-734 | F | <595 |

Assessment Components		Points Possible	
Individual	Lecture Exam 1	50	
	Lecture Exam 2	100	
	Lecture Exam 3	70	
	Lecture Exam 4	50	
	Final Exam	125	
	Individual Minitests	75 (25 pts each)	
	Poster Project	100	
Lab	Lab Practicals	180 (45 pts each)	
	Lab Assignments/ Exit Quizzes	50 (10 pts each)	
	PreLab Exercises	50 (5 pts each, lowest one is dropped)	
Group	Group Minitests	75 (25 pts each)	Modified by peer evaluation
	Case Studies	75 (25 pts each)	
Total		1000	

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:

1. Understand the scope of studies in anatomy and physiology.
2. Describe and identify the major gross and microscopic anatomical components of the cardiovascular system and explain their functional roles.
3. Explain the anatomical and major gross and microscopic anatomical components of the lymphatic system, including their purposeful function in fluid dynamics and immunity.
4. Describe and identify the major gross and microscopic anatomical apparatus of the respiratory system and explain their functional roles in breathing/ventilation.
5. Give explanation of the major gross and microscopic anatomical elements of the digestive system, explaining their function in digestion, absorption, nutrition, metabolism, excretion and elimination.
6. Describe the major gross and microscopic anatomical mechanism of the renal system and explanation of their functional activities.
7. Discuss the physiology of the homeostatic mechanisms that control fluid/electrolyte and acid/base balance.
8. Describe major gross and microscopic anatomical components of the reproductive system including their functional roles in reproduction and inheritance.

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 minitest you will NOT be permitted to reschedule the mini-test.

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 5 lab assignments/exit quizzes, 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 and lab assignment, if given. Lab assignments and lab exit quizzes will be submitted during the allotted lab time.

Group work - will consist of 3 case studies and 3 group minitests. Case studies begin as an in class assignment with a scenario of a patient, followed with a particular challenge. If you are absent on the day group work occurs, you will receive a zero for the portion of your group grade.

Peer evaluation: Each individual (anonymously) will rate the other members of their group. 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. The instructor reserves the right to overrule the peer evaluation score if it appears that the group members were unfair.

Final Exam – The final exam will include 50 points from the final unit and 75 points that are comprehensive.

Each student MUST receive at least 60% in the individual, lab and group components in order to pass the course regardless of the overall grade.

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.

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. 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. Academic dishonesty or plagiarized material will result in 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 the Blackboard.