

Human Anatomy and Physiology I (BIO 141) Lecture and Lab Syllabus
NOVA, Loudoun Campus
Summer 2011

Instructor: Wayne Peraanu

E-mail: wperaanu@nvcc.edu

Day/Time: Tuesday & Thursday, 1:00PM – 4:40PM (lecture) & 5:30PM – 9:10PM (lab)

Location: LS-0114 (lecture) and LS-0123 (lab)

Introduction:

Welcome to BIO 141! Please review this document carefully, as it is your responsibility to understand all course policies and procedures.

This course is designed to integrate anatomy and physiology of cells, tissues, organs, and systems of the human body to meet the needs of students pursuing programs in a medical/paramedical career or a degree in physical education. Major topics to be discussed during the current semester include: chemical and physical aspects of life, structure and function of cells and tissues, cellular energetics, basic anatomical terminology, mitosis versus meiosis, anatomy and physiology of the respiratory system, anatomy and physiology of the circulatory system, hematology, anatomy and physiology of the integumentary system, anatomy and physiology of the skeletal system, and anatomy and physiology of the muscular system. The course is four (4) credits, and the total classroom time, including lecture and recitation/laboratory, is eight hours per week.

There are no dissections in BIO 141. However, students are required to dissect a fetal pig in BIO 142. That dissection is **not** optional, and the evaluations associated with the dissection account for a significant percentage of the total BIO 142 laboratory grade.

Materials:

Each student must purchase the following course related items, all of which are available at the campus bookstore (LR 135).

- 1) Marieb and Hoehn, *Human Anatomy and Physiology* (with Interactive Physiology-10 System Suite), 8th Edition, Pearson. (Course Text Book)
- 2) Marieb and Mitchell, *Human Anatomy and Physiology Laboratory Manual* (Fetal Pig Version), 10th Edition, Pearson. (Laboratory Manual)
- 3) Four 888-E Scantron Forms
Manuals need to be purchased prior to the first laboratory meeting. Students are not permitted to bring a used laboratory manual. Scantron forms are sold individually and need to be purchased in advance of each examination.

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Grading:

Your grade in this course is based on your performance in lecture and laboratory, as discussed below. The lecture component of this course is worth seventy percent (**70%**) of your overall grade. In order to receive a high grade in BIO 141, it is important to dedicate sufficient time to all of the lecture evaluations. The laboratory component of this course is worth the remaining thirty percent (**30%**) of your overall grade. Similarly, it is nearly impossible to perform well in the class if you neglect the laboratory evaluations. It is generally recommended that science students study approximately six (**6**) hours outside of class each week.

Various Course Evaluations and Percentage of Final Grade:

Lecture Examinations and Pre-lecture Quizzes	70%
Laboratory Quizzes and Reports	30%

There are four (**4**) written examinations during the semester, the last of which is a non-cumulative final. The first three lecture examinations are worth a total of **100** points each, and your lowest of these three scores will be automatically dropped. The final lecture examination is worth a total of **100** points and **cannot** be dropped. **No** make-up examinations are provided.

Points Available for Lecture Evaluations:

Exam 1	100
Exam 2	100
Exam 3	100
Final	100

Examinations consist primarily of multiple choice questions, and several short answer questions may be included as well. Remember to bring a No. 2 pencil, an eraser, and the correct scantron form to each lecture examination. Your final grade in BIO 141 is assigned as follows.

Pre-lecture quiz 1	5
Pre-lecture quiz 2	5
Pre-lecture quiz 3	5
Pre-lecture quiz 4	5
Pre-lecture quiz 5	5
Pre-lecture quiz 6	5
Pre-lecture quiz 7	5

Pre-lecture quizzes consist of five questions selected verbatim from the “Check your understanding” questions of the assigned chapter(s).

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Course Score and Final Grade:

90 to 100%	A
80 to 89%	B
70 to 79%	C
60 to 69%	D
0 to 59%	F

You must receive a minimum course score of **60%** in order to receive a passing grade. Students that do not attend lecture before **May 23** will be withdrawn from the course. This is also the last day to drop with tuition or change to audit status. The last day to withdraw from the course without a grade penalty is **June 10**. To receive an incomplete in the course, you must have satisfactorily completed more than **50%** of the course requirements and documented unavoidable, verifiable circumstances. The remaining course work must be completed by the end of the subsequent term. Students with disabilities of any kind are encouraged to contact Disability Services to discuss possible accommodations. All such information is kept confidential and may increase your chances of success in an academic environment.

Blackboard:

Course announcements, information, and assignments are made available through Blackboard at <http://learn.vccs.edu/webapps/portal/frameset.jsp>. Please make sure to login frequently. If you experience problems accessing Blackboard, contact the IT Help Desk at 703-426-4141 or ithelpdesk@nvcc.edu.

Reading Assignments:

Lectures are based on specific chapters from the course text, *Human Anatomy and Physiology*. Refer to the provided schedule to determine which chapter(s) should be read prior to each lecture. There is a single copy of this text on closed reserve in the campus library (LR 249).

Objectives:

Through Blackboard, you may be provided specific chapter objectives. By completing and studying these objectives, you will familiarize yourself with course information for which you are responsible. Besides focusing your study plan for BIO 141, these exercises greatly enhance recall. Chapter objectives are neither collected nor graded, however. Taking careful notes during lecture presentations and completing reading assignments on schedule will also facilitate your mastery of course concepts.

Attendance:

Students are expected to attend **all** lectures.

Missed Lectures:

There are **no** lab make-up lectures.

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Cancelled Lectures:

Students are responsible for checking NOVA's website (www.nvcc.edu) for information concerning school closures. If you cannot access the above website, contact your lecture professor or the Science Division Office (703-450-2575).

Academic Integrity:

Academic misconduct is described in the Student Handbook (<http://www.nvcc.edu/resources/stuhandbook/>) under "Student Conduct, Rights, and Responsibilities." Any form of dishonesty, including cheating and plagiarism, may result in a failing grade in the course and dismissal from the NOVA.