

CRN: 1298

LECTURES: Tues. 12:30 – 1:20 PM E-440
Thurs. 12:30 – 2:15 PM E-440
LAB: Tues. 01:30 – 4:15 PM E-438/440
Note:
Pre-Lab Talk may be in Room E-440.

CRN: 1067

LECTURES: Tues. 5:30 – 6:20 PM E-440
Thurs. 5:30 – 7:20 PM E-440
LAB: Tues. 6:35 – 9:20 PM E-438/440
Note:
Pre-Lab Talk may be in Room E-440.

Biology 212: Spring 2010

ANATOMY & PHYSIOLOGY II

SYLLABUS

See the [Binder Summaries](#) for detailed information regarding Topics and Testing Dates for your section.

Dr. Lawrence G. Altman
www.LawrenceGAltman.com

COURSE TITLE:

Biology 212 - Anatomy and Physiology II

COURSE DESCRIPTION:

Lecture and laboratory.

Emphasis is on the reproductive, endocrine, cardiovascular, respiratory, digestive and excretory systems of the human body.

COURSE PREREQUISITE:

Completion of Biology 211 (grade of "C" or better) or permission of the Instructor and the Division Director.

TEXTBOOKS:

You will NOT be required to purchase a new Hole's 12th edition. Editions 08 – 11 are OK also!
The following info regarding the 10th edition might assist you on getting an inexpensive price for a used text.

Shier, D., Butler, J. and Lewis, R., *Hole's Human Anatomy and Physiology*, (10th edition).
WCB/McGraw Hill, Boston, MA, 2003. (ISBN = 0-07-243890-8)

Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology*, (10th edition).
WCB/McGraw Hill, Boston, MA, 2003. (ISBN = 0-07-243891-6)

Morton, D. and Perry, J., *Photo Atlas for Anatomy and Physiology*.
Wadsworth Publishing Company, New York, NY, 1998. (ISBN = 0-534-51716-1)

COURSE OBJECTIVES:

By the end of this course the student should be able to:

1. Identify and describe the major components of the cardiovascular system and explain the functions associated with the system.
2. Name and discuss the major components of the lymphatic system and explain their roles in fluid dynamics and immunity.
3. Name the major components of the digestive system and explain their roles in digestion, absorption, nutrition and metabolism.
4. Identify and discuss the components of the respiratory system and explain the processes of breathing, gas exchange and gas transport.
5. Identify the major components of the urinary system and explain the process of urine formation and elimination.
6. Describe the homeostatic mechanisms that control fluid/electrolyte and acid/base balance.

COURSE OBJECTIVES: *cont.*

7. Describe the major organs of the endocrine system naming the hormones secreted and the actions of the various hormones.
8. Identify and describe the major components of the male and female reproductive systems and explain the functions of the individual components.
9. Discuss the processes involved in human growth and development especially those pertaining to the effect of genes.

STUDENTS WITH SPECIAL NEEDS:

Students who may require accommodations on the basis of a learning disability are encouraged to contact the Coordinator of Learning Disabilities. Students who may require accommodations on the basis of all other disabilities should contact the Coordinator of Disability Services. After providing documentation and completing the disability disclosure process, students are then encouraged to meet with their instructor(s) to discuss the accommodations approved by the appropriate Coordinator and to complete the Accommodations Agreement form. Accommodations are not retroactive, students are therefore encouraged to meet with their instructor(s) at the beginning of each semester. Instructors, in conjunction with appropriate college personnel, will provide assistance and/or accommodations only to those students who have completed the disability disclosure and accommodations process.

PLAGIARISM AND ACADEMIC HONESTY:

"At NVCTC we expect the highest standards of academic honesty. Academic dishonesty is prohibited in accordance with the Board of Trustees' Proscribed Conduct Policy in Section 5.2.1 of the BOT Policy Manual. This policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism, and other proscribed activities. Plagiarism is defined as the use of another's idea(s) or phrase(s) and representing that/those idea(s) as you own, either intentionally or unintentionally."

Violations will result in either a student – initiated grade of W (if within the allowed time) or a non–negotiable grade of "F" for the course.

ATTENDANCE POLICY:

Students are expected to attend all lecture and laboratory sessions. **Missing 3 or more labs will affect grading.**

CLASS CANCELLATION PROCEDURE:

If school is cancelled on the day a lecture test is scheduled, the test will be held during the next regularly scheduled lecture period. Likewise, if school is cancelled on the day a lab test is scheduled, the test will be held during the next regularly scheduled lab period.

An alternative assignment may be given if classes are canceled due to weather. Check our course website.

WITHDRAWAL POLICY:

The last day for **student-initiated** withdrawal is **April 28, 2010**. A student wishing to withdraw from this course must submit the appropriate form to the Registrar's Office by this date.

Failure to do so may result in the student receiving an F for the course.

CELLULAR PHONES:

In the Spring of 2000, the professional staff of NVCC ratified the following statement which is now college policy:

"Students are hereby notified that cellular phones and beepers are allowed in class only if they are turned off or turned to a silent mode. Under no circumstances are telephones to be answered in class. Students who ignore this policy may be asked to leave class. When there are extenuating circumstances that require that a student be available by phone or beeper, the student should speak to the instructor prior to class, so that together they can arrive at an agreement concerning the device."

AVAILABILITY OF LAB MATERIAL:

Students are not permitted to study laboratory materials in an unsupervised lab. If a student would like additional time to study lab materials, a limited amount of these materials will be available for independent study in the Science Exploration Center on the 4th Floor of Ekstrom. Check the posted schedule for that room.

Under no circumstances should laboratory materials be removed from these locations.

GRADING PROCEDURES:

Final grades will be based on the total number of points accumulated throughout the semester. The point distribution will be as follows:

		<i>Total:</i>
LECTURE:	3 Lecture Exams @ 100 points	300 points
LAB:	2 Lab Quizzes @ 50 points	100 points
	2 Lab Exams @ 100 points	200 points
FINAL EXAM:	1 Cumulative Final Exam	200 points

The *course grade* will be first calculated on *a percentage basis out of 700 points*.

Since there are **800 points shown above**, the instructor will drop *both laboratory quizzes*

OR any SINGLE 100 point Exam (lecture) or Test (lab). The Final Examination may not be dropped.

If you miss any 100 point Exam or Test, this will count as the exam grade that is being dropped. *OR*

If you miss either of the 50 point Lab Tests, then *both* will be dropped.

There are no makeup exams. If you miss an exam for any reason, that grade will be dropped.

Final course letter grades (determined on a percentage basis) will be determined as follows:

<u>%</u>	<u>Grade</u>		<u>%</u>	<u>Grade</u>
92-100	A		72-74	C
90-91	A-		70-71	C-
85-89	B+		65-69	D+
82-84	B		60-64	D
80-81	B-		< 60	F
75-79	C+			

MAKEUP POLICY:

As stated above:

If you miss any *100 point Exam or Test*, this will count as the exam grade that is being dropped. *OR*

If you miss either of the two *50 point Lab Tests*, then *both* will be dropped.

In light of this policy, there are no makeup exams.

OFFICE LOCATION AND TELEPHONE:

Office: E-427

Telephone: 203-596-8715 Monday to Thursday *when classes are in session*.

E-Mail: Weekdays: **LAltman@nvcc.comnet.edu** (Monday to Thursday when classes are in session).

Other times: **www.lawrencegaltman.com** (Weekends and when classes are not in session).

NOTE: Mail originating from my course website is ***always*** sent to my home computer.

SCHEDULED OFFICE HOURS: (*also by appointment*)

3:30 – 5:10 PM:	Mon or Wed	E427 or Class	Variable/alternating day; see course Instructor.
2:10 – 4:15 PM:	Thursdays	E427 or Class	Tu/Th Evening section; others: notify ahead.
7:10 – 8:25 PM:	Thursdays	E427 or post	

Dr. Altman's **Daily Schedule** is posted on his office door (E-427) and at **www.LawrenceGAltman.com**.

Occasionally, the Department or Division may schedule meetings during Office Hours.

Every effort will be made to provide students with advance notice.