

**Naugatuck Valley Community College  
Waterbury, Connecticut**

**Course Title:** Human Anatomy and Physiology II

**Discipline/Number:** BIO 212

**CRN:** 1396

**Number of Credits:** 4

**Course Semester:** Spring 2018

**Days and Times:** Tuesday 2:20-5:05 PM E-440  
Thursday 2:20-5:05 PM E-438

**Prerequisites:** Please be certain that you have satisfied ONE of the following:  
Grade of C or better in BIO 105 or BIO 115, or the successful completion of the BIO 105 Waiver Exam (for students who have completed a high school Biology course with a lab) or by permission of the Instructor or the Division Director or by presenting proof to both the instructor and the Counseling Center of having earned a score of 3 or better on the Biology High School Advanced Placement or you obtain permission from both the Instructor and the STEM Director.

**Instructor:** Lawrence G. Altman, Ph.D.

**Office:** E-427

**Phone:** 203-596-8715  
*Email is highly preferred.*

**Email:** LAltman@nv.edu

**Instructor's Website:** [www.LawrenceGAltman.com](http://www.LawrenceGAltman.com)

**Office Hours:** Monday 5:10 – 6:50 PM E-427  
Tuesday 5:10 – 6:00 PM E-427  
Wednesday 5:10 – 6:50 PM E-427  
Thursday 5:10 – 6:00 PM E-427  
*(Additional times by appointment)*

**Campus Location:** Waterbury, CT

**Course Description:** Weekly: 3 hours of Lecture and 3 hours of laboratory.  
Biology 212, Human Anatomy and Physiology II Lecture and laboratory (6 hours/week). This is the second semester of a two-semester comprehensive course designed for those students who plan to continue in the science field or science-related areas. Emphasis is on the reproductive, endocrine, cardiovascular, immune, respiratory, digestive and excretory systems of the human body.

**Required Texts and Resources:**

Students receiving financial aid are not required to buy books from the campus store. Book options will be discussed during the first day of class.

***MATERIALS FOR LECTURE AND LAB: (approved alternate textbooks are allowed)***  
*A&P Students from other sections of BIO 211 may use their previous course materials.*

**Required Downloadable Text:** OpenStax Human Anatomy and Physiology. It's free!  
<https://openstax.org/details/anatomy-and-physiology> Optional hard-copy is approx. \$50.00

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

**Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology (10<sup>th</sup> edition)*. WCB/McGraw Hill, Boston, MA, 2002. (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)**

**Internet Sites:**

[www.LawrenceGAltman.com](http://www.LawrenceGAltman.com) Course notes plus over 200 topic-related links.

**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.
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.

**Learning Outcomes:** Students will demonstrate mastery of materials presented in lecture and laboratory instruction.  
The ability to integrate scientific principles and concepts will be emphasized throughout the course while emphasizing organizational and critical thinking skills beyond rote memory.  
A strong foundation in these abilities will aid in the preparation of students for careers in the Allied Health fields.

**Instructional Methodology:** Highly interactive style of teaching based upon the Socratic method, whenever possible. Use of Power-point handouts integrating publisher and instructor's notes and diagrams, numerous websites, videos and laboratory activities all accessible from [www.LawrenceGAltman.com](http://www.LawrenceGAltman.com). Actual methodology will vary according to topic.

**Course Outline:** Shown on the last two pages of this syllabus.  
Note: This schedule may be modified at the sole discretion of the instructor. Instructors will notify the students when doing so either in class or by email. *Students are ultimately responsible for being aware of any changes. This includes announcements made when students are absent from class.*

Any difficulties with email transmissions must be *resolved by the student and the IT department* which is located on the 6th floor of Ekstrom.

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

**GRADING:**

LECTURE TEST 01: 100 points  
LECTURE TEST 02: 100 points  
LECTURE TEST 03: 100 points  
LAB TEST 01: 050 points  
LAB TEST 02: 100 points  
LAB TEST 03: 050 points  
LAB TEST 04: 050 points

***The lowest 100 points from the 550 points above will be dropped.***

In other words, the most pre-Final Exam points = 450

FINAL EXAM (mandatory): 200 points

COURSE GRADE: Percentage: (450 + 200)/650

*There are no makeups.*

**Grading System:**

Numeric Grade	Acceptable Letter Grade Range to be used by the Instructor	Description
90-100	A- to A	Excellent
80-89	B-, B, B+	Above Average
70-79	C-, C, C+	Average
60-69	D-, D, D+	Below Average
Below 60	F	Failing

**Blackboard Learn:**

This course uses *Blackboard Learn* for the secure posting of grades for students. The instructor is prohibited from providing test results and grades via email.

During off-hours please visit our *Connecticut Community Colleges Online Help Desk* <https://cscu.edusupportcenter.com> and search “*Blackboard Mobile Learn*” or call **860-723-0221** available 24/7/365. If these resources are not available, please resort to using your desktop/laptop computer for all course viewing and activity. Students and Faculty can access Blackboard Learn through our myCommNet portal <http://my.commnet.edu> or through our Blackboard Learn App by referring to the help article entitled “*Can I use Blackboard on my Smartphone or Tablet?*” [https://cscu.edusupportcenter.com/sims/helpcenter/common/layout/SelfhelpArticleView.seam?inst\\_name=cscu&article\\_id=1912-1463992](https://cscu.edusupportcenter.com/sims/helpcenter/common/layout/SelfhelpArticleView.seam?inst_name=cscu&article_id=1912-1463992), or directly at <https://ctccs.blackboard.com>.

During off-hours please visit our *Connecticut Community Colleges Online Help Desk* <https://cscu.edusupportcenter.com> and search “*Blackboard Mobile Learn*” or call **860-723-0221** available 24/7/365. If these resources are not available, please resort to using your desktop/laptop computer for all course viewing and activity. Students and Faculty can access Blackboard Learn through our myCommNet portal <http://my.commnet.edu> or through our Blackboard Learn App by referring to the help article entitled “*Can I use Blackboard on my Smartphone or Tablet?*” [https://cscu.edusupportcenter.com/sims/helpcenter/common/layout/SelfhelpArticleView.seam?inst\\_name=cscu&article\\_id=1912-1463992](https://cscu.edusupportcenter.com/sims/helpcenter/common/layout/SelfhelpArticleView.seam?inst_name=cscu&article_id=1912-1463992), or directly at <https://ctccs.blackboard.com>.

**Tutoring Resources:**

The Academic Center for Excellence (ACE), provides tutoring in math, sciences, English and writing, and numerous other subjects. Students can learn about the full range of tutoring and other student success services by going by the ACE in E500 Ekstrom Hall, visiting its webpage at <http://www.nv.edu/Student-Life/ACE-Tutoring>, or by calling (203) 596-8717. The ACE is located on both campuses, Danbury and Waterbury.

Waterbury Campus Hours:

Monday & Tuesday	8 am – 8 pm
Wednesday & Thursday	8 am – 7 pm
Friday	8 am – 4 pm
Saturday	10 am – 3 pm
Sunday	12 pm – 4pm

Danbury Campus Hours:

The Danbury campus ACE/multipurpose Room is located in D201. The Multipurpose room is open during normal operating hours. Tutoring schedules are arranged as the schedule is finalized each semester.

**Library  
Resources:**

On the Waterbury Campus, The Max R. Traurig Library is located on the 4<sup>th</sup> and 5<sup>th</sup> floors of the L building. The library has books, journals, databases, research guides, DVDs and CDs to support the college curriculum, as well as copies of all the textbooks used at NVCC. Textbooks and ESL readers are available in the Multipurpose Room at the Danbury Campus. The online journal databases, e-books, and streaming videos can be accessed via the library website at [www.nv.edu/library](http://www.nv.edu/library) or the Library tab in MyCommNet.

Waterbury Campus Hours:

Monday - Thursday	8 am – 8 pm
Friday	8 am – 4:30 pm
Saturday & Sunday	10 am – 2 pm

Circulation Desk: (203) 575-8024

Reference Desk: (203) 575-8244

Text Us! (203) 951-8189

Email: [library@nv.edu](mailto:library@nv.edu)

Danbury Campus Hours:

For the Danbury Campus, librarians work with faculty to schedule in-class instruction. Textbooks are available at the Multipurpose Room, D-201.

NVCC students are encouraged to utilize the services available at the Danbury Public Library. Faculty and Staff have access to all services at the Danbury Public Library located at 170 Main St, Danbury, CT 06810 - 203 797-4505.

**Important College Information and Policies Related to this Class**

**Acting Interim  
Dean of Academic  
Affairs** Dr. Lisa Dresdner  
Kinney Hall- K-719  
[LDresdner@nvcc.commnet.edu](mailto:LDresdner@nvcc.commnet.edu)

**NVCC Absences  
and Attendance  
Guidelines:** The Faculty expects that each student will exercise personal responsibility regarding class attendance.

- \* All students are expected to attend every class session of each course for which they are registered.
- \* Students are responsible for all that transpires in class whether or not they are in attendance, even if absences are the result of late registration or add/drop activity at the beginning of a term as permitted by college policy.
- \* The Faculty defines excessive absence or lateness as more than the equivalent of one week of class Distance Learning courses will use criteria established by the Instructor.
- \* When presence counts towards a class participation grade, excessive absence or lateness may, at the discretion of the instructor, lower a student's course grade.
- \* Instructors will maintain class participation records.

**Class Cancellations:** With the potential for faculty emergencies or inclement weather, class cancellations or delays are a possibility. If a class is cancelled or delayed, instructors may plan for a qualified substitute instructor or plan make-up assignments for any class time missed. Faculty can plan for make-up assignments through a variety of ways including, but not limited to, the use of reading days, extended class time, or online/additional class assignments. **Cancellation or delay of classes due to inclement weather is made only by the President of the College.**

In order to promptly learn of these cancellations or delays, all students **must sign-up for MyCommNetAlert** for immediate notifications.

**Students with Special Needs-ADA:** Students who may require academic adjustments on the basis of a disability are encouraged to contact the Counselor for Students with Disabilities (Terry Latella K519C) at the Waterbury and Danbury Campuses.

After providing documentation and completing the disability disclosure process, students are then encouraged to meet with their instructor(s) to discuss the adjustments approved by the appropriate disabilities contact and to complete the Adjustments Agreement form. Students are therefore encouraged to meet with the Disabilities Counselor and their instructor(s) at the beginning of each semester. *Adjustments are not retroactive.* Instructors, in conjunction with appropriate college personnel, will provide assistance and/or adjustments only to those students who have completed the disability disclosure and academic adjustments process.

**Academic Honesty Statement:**

At NVCC we expect the highest standards of academic honesty. Academic dishonesty is prohibited in accordance with the Board of Trustees' student discipline policy 5.2.1 Policy on Student Conduct, Section 3, Paragraph 2. 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 your own, either intentionally or unintentionally. Anyone who violates the Board policy may fail the course at the discretion of the instructor. See the Student Handbook on the College website link [page 7] for more information.

A student may not obtain a transcript notation of "W" in a course if there exists substantial reason to believe the student has engaged in academic misconduct in the course. A transcript notation of "W" will only be permitted for such students when the final resolution results in finding the student did not commit academic misconduct in the course.

**Student Academic Appeals Process:**

Good communication between faculty and students will make disputes between them infrequent; however, if disagreements occur, it is the College's policy to provide a mechanism and process whereby a student may formally appeal faculty decisions. When a student uses the appeals procedure, all parties should endeavor to resolve the dispute amicably at the earliest possible stage.

A student has the right to appeal any decision of a full-time or adjunct faculty member, staff member, program director, clinical coordinator or employee of the college. An academic appeal is defined as an allegation by a student that an employee of the college has violated federal or state laws and regulations, college or department policies, accreditation standards or the faculty member's own stated policy relating to the student's assignment of grades or other academic evaluation. Continued .....

**Student Academic Appeals Process:**  
cont.

Academic Appeal Forms are available in the Student Handbook at:  
<http://www.nv.edu/Portals/0/documents/student-services/Student%20Handbook%201-29-15%20.pdf>

*The five steps of the Academic Appeals Process are:*

***Step One***

The student must discuss their concern or issue with their faculty member, clinical instructor or other employee of the college directly involved with the situation. An appeal form must be filed within fourteen (14) business days of the incident (48 hours if it is a clinical appeal).

***Step Two***

If the student is not satisfied with the resolution or outcome of step one, the student may bring the concern to the college employee who is one level above the college employee previously consulted. The student should provide additional supporting information within fourteen (14) business days of the previous resolution or 48 hours if it is a clinical appeal. See Appeal Form 2. The clinical coordinator, course leader, department chair/coordinator, program director or other involved college employee will review the concern with the Division Leader. The resolution or outcome will be put in writing and a copy will be sent to the student, department chair, Dean of Academic Affairs and faculty member as well as any other college employees involved in the concern within 5 days.

***Step Three***

If the student is not satisfied with the resolution or outcome of step two, the student may request that an appeals committee review the matter. See Appeal Form 3. The appeal must be filed within fourteen (14) days of receipt of the response to Step Two. For academic matters, the Academic Appeals Committee will review the concerns, outcomes and resolutions from the previous steps. If it is a clinical decision or concern, the resolutions and outcomes will be reviewed by the Clinical Appeals Committee. The Clinical Appeals Committee will convene within 48 hours.

The Academic Appeals Committee/Clinical Appeals Committee can dismiss an appeal in which:

1. no new evidence has been presented to change a consistent decision emanating from the initial appeal steps
2. the appeal is untimely
3. the appeal is being pursued in another college procedure
4. the appeal is intended to harass, embarrass or has otherwise been filed in bad faith

If a quorum of the Appeals Committee is not available, the Dean of Academic Affairs will hear the appeal. A response will be made to the student within five (5) days of receipt of the appeal or within 48 hours if it is a clinical appeal. The student may still appeal to the Dean of Academic Affairs if the appeal is dismissed by the committee.

***Step Four***

If the student is not satisfied with the resolution or outcome of step three, the student may bring the concern directly to the Dean of Academic Affairs. See Appeal Form 4. The appeal must be filed within five (5) days of receipt of the response to step three or within 48 hours if it is a clinical appeal. The student will submit the appeal in writing along with any other new, relevant documents to the Dean of Academic Affairs, who will need to respond within five (5) days of the receipt of the appeal or within 48 hours if it is a clinical appeal.

- Student Academic Appeals Process** (cont.): *Step Five*  
If the student is not satisfied with the resolution or outcome to Step Four, the student will appeal to the College President directly in writing. See Appeal Form 5. The appeal must be filed within five (5) days of receipt of the response to step four or within 48 hours if it is a clinical appeal. The President will respond within 14 days.
- Official Student Email:** All Naugatuck Valley Community College students are given an official student email address. This email address is the primary mode of communication with the college. It is a student's responsibility to check this e-mail for all communications from their instructors and the college. Emails will no longer be sent to personal email accounts. The College gives free access to web applications of Microsoft Word, Excel, PowerPoint and OneNote. Visit [nv.edu/email](http://nv.edu/email) for details on setting up your account or for help, call or visit IT: 203-575-8092 or [nv.edu/IT](http://nv.edu/IT).
- NVCC Smoke-Free Campus Policy:** Section 19a-342 of the General Statutes of Connecticut prohibits smoking in any building or portion of a building owned or leased by the state. Smoking is also prohibited in any vehicles owned or leased by the state or any political subdivision thereof (this policy does not apply to personal vehicles). ***Smoking shall also be prohibited in all outdoor areas of Naugatuck Valley Community College campus property, including but not limited to parking lots, paths, fields, and sports/recreational areas.***
- Important Link to additional Information:** Please see the Student Handbook on the College website for more information on these and other policies and procedures such as Code of Conduct Violations, cell phone use in class, Children on Campus, Smoking Policy, and more. <http://www.nv.edu/Portals/0/documents/student-services/Student%20Handbook%201-29-15%20.pdf>
- Continuing Notice of Nondiscrimination:** Naugatuck Valley Community College does not discriminate on the basis of race, color, religious creed, age, sex, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, sexual orientation, gender identity and expression or genetic information in its programs and activities. In addition, the College does not discriminate in employment on the additional basis of veteran status or criminal record.
- The following individual has been designated to handle nondiscrimination policies regarding disability policies: Robert Divjak, Director of Facilities/Section 504/ADA Coordinator, Room C216, Naugatuck Valley Community College, 750 Chase Parkway, Waterbury, CT 06708; 203-575-8235. The following individual has been designated to handle nondiscrimination policies regarding sex discrimination as well as other forms of prohibited discrimination: Jacquie Swanson, Associate Director of Human Resources/Title IX Coordinator, Room K704, Naugatuck Valley Community College, 750 Chase Parkway, Waterbury, CT 06708; 203-575-8043.
- Withdrawal process:** The last day for student-initiated withdrawal is Monday, April 16, 2018. You must do this either in-person (Office of the Registrar, K-516) or online.



**BIO. 212: ANATOMY & PHYSIOLOGY II**  
**LECTURE TOPICS**  
 SPRING 2018, CRN: [1396](#)

**Tu/Th Afternoons**  
**Thursday Lab**

Version Posted: January 15, 2018  
 Subject to Modification

**Turn sheet over for approximate Lecture dates.**

- |                                 |                           |
|---------------------------------|---------------------------|
| Ch. 14 Blood                    | Ch. 19 Respiratory system |
| Ch. 15 Cardiovascular System    | Ch. 20 Urinary system     |
| Ch. 16 Lymphatic/Immune systems | Ch. 22 Reproduction       |
| Ch. 17 Digestion                | Ch. 13 Endocrine system   |

**MATERIALS FOR LECTURE AND LAB:** (approved alternate textbooks allowed)  
 A&P Students from other sections of BIO 211 may use their previous course materials.

**Required Downloadable Text:** OpenStax Human Anatomy and Physiology. It's free!  
<https://openstax.org/details/anatomy-and-physiology> Optional hard-copy is approx. \$50.00

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

Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology* (10<sup>th</sup> edition). WCB/McGraw Hill, Boston, MA, 2002. (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)

**EXAMINATION DATES:**

- |        |   |
|--------|---|
| FEB 15 | <b>LAB TEST 1</b> (50 pts.)<br>(Labs 01-03)               |
| MAR 06 | <b>LECTURE EXAM 01</b><br>(Chapters 14, 15 and 16)        |
| MAR 29 | <b>LAB TEST 02</b> (100 pts.)<br>(Labs 01-08)             |
| APR 10 | <b>LECTURE EXAM 02</b><br>(Chapters 17 & 19)              |
| APR 19 | <b>LAB TEST 03</b> (50 pts.)<br>(Labs 7-8 and 10-11)      |
| APR 26 | <b>LAB TEST 04</b> (50 pts.)<br>Clinical Assignment notes |
| MAY 01 | <b>LECTURE EXAM 03</b><br>(Chapters 20 & 22a)             |

- |          |   |
|----------|---|
| MAY 10   | <b>FINAL EXAM:</b>                          |
| Thursday | 50% Female Reproduction<br>Endocrine System |
|          | 50% <u>Cumulative:</u>                      |
|          | All Lectures + overlap Labs TBA             |

**BIO. 212: ANATOMY & PHYSIOLOGY II**  
**LABORATORY SCHEDULE**  
 SPRING 2018, CRN: [1396](#)

**Tu/Th Afternoons**  
**Thursday Lab**

<u>LAB:</u>	<u>DATE:</u>	<u>REFERENCE:</u>	<u>TOPIC(S):</u>
01.	JAN 25	LECTURE: LAB: microscopes	If necessary, complete Jan. 23 Blood lecture. Blood: Histology/functions (Lab HO slides 1-8)
02.	FEB 01	Exercise 39 (p. 317)  Exercise 40 (p. 325)	Blood: Total White/Red Blood Cell Counts Hematocrit & Hemoglobin Determination Blood: Typing
03.	FEB 08	Exercise 41 (p. 331)	Cardiovascular: Pig Heart + models
04.	FEB 15	<b>LAB TEST 01</b>  <i>After Lab Test 01:</i> Exercise 44 (p. 355) Exercise 42 (p. 341) Exercise 45 (p. 363)	Labs 01 - 03 (50 points) see first column #s : (01, 02, 03)  Cardiovascular: Blood Vessels (histology) Cardiovascular: Electrocardiography Cardiovascular: Pulse and Blood Pressure
05.	FEB 22	Lecture only; no lab	Ch. 16, Lymphatic and Immune Systems
06.	MAR 01	Exercise 46 (p. 367)	Cardiovascular: <u>Start cat</u> + assign Human Art./Veins
07.	MAR 08	Exercise 47 (p. 381)	Cardiovascular: Blood Vessels + <i>Cat Dissection</i>
***	MAR 12-18	Spring Break	Prepare for Lab Test 2
08.	MAR 22	Exercise 47 (p. 381)	Cardiovascular: Blood Vessels + <i>Cat Dissection</i>
09.	MAR 29	<b>LAB TEST 02</b> <i>Lecture only after test:</i>	Labs 01 - 08 (100 points) see first column #s Chapter 17, Digestive system, tested in Lecture
10.	APR 05	Exercise 52/53 (p. 429) Exercise 49/50 (p. 401) Exercise 58 (p. 473) Exercise 61 (p. 493) Possible guest	Cat: Respiratory System Cat: Digestive System Cat: Urogenital Cat: Reproductive System (male & female) Respiratory Volumes and capacities
11.	APR 12	Exercise 56 (p. 459)	Pig Kidney, models + Transplantation (time permitting)
12.	APR 19	<b>LAB TEST 03</b>	Labs 10 - 11 (50 points) see first column #s Second chance: a few cat blood vessels (Labs 7-8) <u>After Lab Test 03:</u> Continue Reproduction from Lecture.
13.	APR 26	<b>LAB TEST 04</b>	Clinical Assignment notes (50 points)
14.	MAY 03	RESERVED TIME	Makeup: <u>pending</u> Yale cadavers or snow day

**Dr. Lawrence Altman** Office: E-427  
 Phone: 203-596-8715 (Email preferred)  
**E-Mail:** Via Website: [lawrencegaltman.com](mailto:lawrencegaltman.com)  
 or: [LAltman@nvcc.com](mailto:LAltman@nvcc.com)

**Lectures:** TUES. 02:20 - 05:05 PM E-440  
**Labs:** THUR. 02:20 - 05:05 PM E-438

**OFFICE HOURS:**  
 5:10 PM - 6:50 PM TUESdays and THURnesdays  
 5:10 PM - 6:00 PM Tuesdays and THURdays  
 Also, if available:  
 1:30 PM TUESday-THURday

**GRADING**

- |                  |            |
|------------------|------------|
| LECTURE TEST 01: | 100 points |
| LECTURE TEST 02: | 100 points |
| LECTURE TEST 03: | 100 points |
| LAB TEST 01:     | 050 points |
| LAB TEST 02:     | 100 points |
| LAB TEST 03:     | 050 points |
| LAB TEST 04:     | 050 points |

The lowest 100 points from the 550 points above will be dropped.  
 In other words, the most pre-Final Exam points = 450

FINAL EXAM (mandatory): 200 points see panel to the right >>>

COURSE GRADE: Percentage: (450 + 200)/650

**BIO. 212: ANATOMY & PHYSIOLOGY II**

**LECTURE TOPICS**

**SPRING 2018, CRN: 1396**

**Tu/Th Afternoons  
Thursday Lab**

Version Posted: January 15, 2018

*Subject to Modification*

JAN 18	THUR	Ch. 14	Blood: Histology/functions	Room E438 or E440
JAN 23	TUES	Ch. 14	Blood: Histology/functions	
JAN 30	TUES	Ch. 15	Cardiovascular System	
FEB 06	TUES	Ch. 15	Cardiovascular System	
FEB 13	TUES	Ch. 16	Lymphatic/Immune Systems	
FEB 20	TUES	Ch. 16	Lymphatic/Immune Systems	
FEB 22	THUR	Ch. 16	Lymphatic/Immune Systems	Room E438
FEB 27	TUES	Ch. 19	Respiratory System	
MAR 06	TUES	----- Ch. 19	<u>LECTURE EXAM 01</u> ; Chapters 14, 15 and 16 only Respiratory System	
MAR 13	TUES	-----	SPRING BREAK (March 12-18)	
MAR 20	TUES	Ch. 17	Digestive System	
MAR 27	TUES	Ch. 17	Digestive System	
MAR 29	THUR	Ch. 17	Digestive System	(after Lab Test 02)
APR 03	TUES	Ch. 20	Urinary System	
APR 10	TUES	----- Ch. 20	<u>LECTURE EXAM 02</u> ; Chapters 17 and 19 only Urinary System	
APR 17	TUES	Ch. 20 Ch. 22a	Urinary System <i>Last Day to Withdraw</i> Reproductive System (male)	
APR 24	TUES	Ch. 22b Ch. 13	Reproductive System (female) Endocrine System	
MAY 01	TUES	----- Ch. 13	<u>LECTURE EXAM 03</u> ; Chapters 20 & 22a only Endocrine System	
MAY 10	THUR	<u>FINAL</u>	<u>100 questions @2 pts = 200 points:</u> 50 questions: Female Reproduction and Endocrine systems 50 questions: Cumulative	<i>No Labs unless announced</i>

**Dr. Lawrence G. Altman**  
**www.lawrencegaltman.com**

**Telephone:** 203-596-8715 *Class days: Monday - Thursday*  
*Telephoning is the least effective way to communicate.*

**Office E-Mail:** LAltman@nv.edu  
 sent to my office computer; reviewed on *class days* OR:

**Home E-Mail:** Via Website: www.LawrenceGAltman.com  
 Best during off-campus hours; sent to my home computer

# SPRING 2018

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>
1:00 - 2:10 <i>Personal Students by appointment</i>	1:00 - 2:10 <i>Personal Students by appointment</i>	1:00 - 2:10 <i>Personal Students by appointment</i>	1:00 - 2:10 <i>Personal Students by appointment</i>
2:20 - 5:05 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1171 <b>Room E-440</b>	2:20 - 5:05 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1396 <b>Room E-440</b>	2:20 - 5:05 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1171 <b>Room E-438</b>	2:20 - 5:05 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1396 <b>Room E-438</b>
5:10 - 6:50 <b>OFFICE HOURS</b>	5:10 - 6:00 <b>OFFICE HOURS</b>	5:10 - 6:50 <b>OFFICE HOURS</b>	5:10 - 6:00 <b>OFFICE HOURS</b>
7:00 - 9:45 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1042 <b>Room E-440</b>	<b>NO SCHEDULED EVENING CLASSES or ACTIVITIES</b>	7:00 - 9:45 <b>BIO. 212;</b> <b>Anat. &amp; Physiol. II</b> CRN: 1042 <b>Room E-438</b>	<b>NO SCHEDULED EVENING CLASSES or ACTIVITIES</b>