

BIO. 212: ANATOMY & PHYSIOLOGY II
LECTURE TOPICS
 SPRING 2021, CRN: [1296](#)

Tu/Th Afternoons
Thursday Lab

Version Posted: January 14, 2021
 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)

CONNECT subscription. Link to enroll for your section will be posted.

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* (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, 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:

Dr. Lawrence Altman Office: online
 Phone: 203-596-8715 ([Email definitely preferred](#))
E-Mail: LAltman@nvcc.comnet.edu
 LawrenceGAltman@gmail.com

Lectures: TUE. 02:20 - 05:05 PM E-440
Labs: THU. 02:20 - 05:05 PM E-438

OFFICE HOURS: online
 5:10 PM - 6:00 PM Mondays and Wednesdays
 5:10 PM - 6:00 PM Tuesdays and Thursdays

Evening and Weekend hours
 7 days/week by appointment (COVID crisi accomodation)

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): 100 points see panel to the right >>>

COURSE GRADE: Percentage: (450 + 100)/550

- | | |
|----------|--|
| FEB 18 | LAB TEST 1 50 pts
(Labs 01-03) |
| MAR 02 | LECTURE EXAM 01 100 pts
(Chapters 14, 15 and 16) |
| APR 01 | LAB TEST 02 100 pts
(Labs 01-04 and 06-08) |
| APR 06 | LECTURE EXAM 02 100 pts
(Chapters 17 & 19) |
| APR 22 | LAB TEST 03 50 pts
Labs 09 - 10 (50 points) |
| APR 29 | LAB TEST 04 50 pts
Clinical Assignment notes |
| MAY 04 | LECTURE EXAM 03 100 pts
(Chapters 20 & 22a) |
| MAY 18 | FINAL EXAM: 100 pts |
| Thursday | 50% Female Reproduction
Endocrine System |
| | 50% Cumulative:
All Lectures + TBA Labs |

BIO. 212: ANATOMY & PHYSIOLOGY II
LABORATORY SCHEDULE
 SPRING 2021, CRN: [1296](#)

Tu/Th Afternoons
Thursday Lab

<u>LAB: DATE:</u>	<u>REFERENCE:</u>	<u>TOPIC(S):</u>
01. JAN 28	LECTURE + LAB	Ch. 14 Blood: Histology/functions Blood: Histology/functions (Lab HO slides 1-8)
02. FEB 04	Exercise 39 (p. 317) Exercise 40 (p. 325)	Blood: Total White/Red Blood Cell Counts Hematocrit & Hemoglobin Determination Blood: Typing
03. FEB 11	Exercise 41 (p. 331)	Cardiovascular: Pig Heart /models
04. FEB 18	LAB TEST 01 (50 points) <i>Lab after 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 25	Lecture only:	Ch. 16, Lymphatic and Immune Systems
06. MAR 04	Exercise 46 (p. 367)	Cardiovascular: Dissection + assign Human Art./Veins
07. MAR 11	Exercise 47 (p. 381+)	Cardiovascular: Dissection + assign Human Art./Veins
*** MAR 15-22	Spring Break	Prep for Lab Tests 2 & 4 and Lecture Test 2
08. MAR 25 (100 points)	Exercise 47 (p. 381+) Lecture Catchup:	Cardiovascular: Dissection + assign Human Art./Veins Chapter 17, Digestive system
09. APR 01	LAB TEST 02 (100 points)	Labs 01-04, 06-08 (100 points) see first column Lecture Catchup: Chapter 17, Digestive system
09. APR 08	Exercise 52/53 (p. 429) Exercise 49/50 (p. 401) Exercise 58 (p. 473) Exercise 61 (p. 493) Possible guest	Dissection: Respiratory System Dissection: Digestive System Dissection: Urogenital Dissection: Reproductive System (male/female) Respiratory Volumes and capacities
10. APR 15	Exercise 56 (p. 459) Assign Clinical Lecture	Pig Kidney, models + Transplantation (time permitting) Tested on Lab Test 04
11. APR 22	LAB TEST 03 (50 points)	Labs 09 - 10 (50 points) see first column numbers After Lab Test 03: If necessary, continue with Lecture.
12. APR 29	LAB TEST 04 (50 points)	Clinical Topics Assignment (50 points) After Lab Test 04: If necessary, continue with Lecture.
13. MAY 06	Placeholder: weather cancellations + possible Yale Cadaver trip	

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JAN 26	TUE	Ch. 14	Blood: Histology/functions (LEC + LAB Tests)
FEB 02	TUE	Ch. 15	Cardiovascular System
FEB 09	TUE	Ch. 15	Cardiovascular System
FEB 16	TUE	Ch. 16	Cardiovascular System + start Lymphatic/Immune Systems
FEB 23	TUE	Ch. 16	Lymphatic/Immune Systems
FEB 25	THU	Ch. 16	Lymphatic/Immune Systems
MAR 02	TUE	-----	LECTURE EXAM 01; Chapters 14, 15 and 16
	Post-exam:	Ch. 19	Respiratory System
MAR 09	TUE	Ch. 19	Respiratory System
MAR 16	-----	-----	SPRING BREAK March 16-22
MAR 23	TUE	Ch. 17	Digestive System
MAR 30	TUE	Ch. 17	Digestive System
APR 01	THU	Ch. 17	Digestive System
APR 06	TUE	-----	LECTURE EXAM 02; Chapters 17 and 19
	Post-exam:	Ch. 20	Urinary System
APR 13	TUE	Ch. 20	Urinary System
APR 20	TUE	Ch. 20	Urinary System
APR 27	TUE	Ch. 22a	Reproductive System (male)
APR 29	THU	Ch. 22b Ch. 13	Reproductive System (female) Endocrine System
MAY 04	TUE	-----	LECTURE EXAM 03; Chapters 20 and 22a
	Post-exam:	Ch. 13	Endocrine System
MAY 06	THU	Ch. 13	Endocrine System
MAY 18	TUE	FINAL <i>required</i>	100 questions @1 pts = 100 points: this test may be optional. 50 questions: Female Reproduction and Endocrine systems 50 questions: Cumulative <i>No Labs unless announced</i>

BIO 212 Human Anatomy & Physiology II

CRN: 1296

4 credits

SPRING 2021

****IMPORTANT: COVID-19 CONDITIONS FOR ON-CAMPUS COURSES:****

Please note: When on any NVCC campus, students must wear a mask that covers their mouth and nose AT ALL TIMES. Those with underlying medical conditions and have been advised by a certified medical professional not to wear a mask or other personal protective equipment (PPE) shall not come to campus without prior approval. Approval to be on any NVCC campus without a mask or other PPE may be obtained by contacting Disability Services and presenting official documentation from a certified medical professional.

Prerequisites: Grade of C or better in BIO 211.
A waiver exam may be available.

Course Days & Times: Tuesdays 2:25-4:55 PM (online live)
Thursdays 2:25-4:55 PM (online live)

Learning Modality: LRON remote/live
Course Delivery: Collaborate and/or Zoom
Campus Location: None assigned.
Class Location: None assigned.

Instructor Information:

Name: Dr. Lawrence G. Altman	NVCC e-mail: LAltman@nv.edu
NVCC phone: 203-596-8715 Use email only !! E-mail is <i>definitely</i> preferred.	NVCC office: Ekstrom-E-427eovid
Office Hours: Monday-Thurs Always after class <i>Evenings and weekends by agreement. Sign-up link TBA.</i>	

Course Description:

Weekly: 3 hours of Lecture and 3 hours of laboratory.

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

Instructor's Website: www.LawrenceGAltman.com

Required Textbook/Materials: others *may* be acceptable

You may wish to delay purchasing books until after the first-class meeting.

Students receiving financial aid are not required to buy books from the campus store.

Additional book options will be discussed during the first day of class.

Required Downloadable Text: OpenStax Human Anatomy and Physiology. It's free!

<https://openstax.org/details/anatomy-and-physiology>

Optional hard-copy of OpenStax textbook (approximately \$50.00) is not required.

Enrollment in McGraw-Hill **CONNECT** for Anatomy & Physiology (Hole)

The URL sign-up for your section will be provided

Shier, D., Butler, J. and Lewis, R., *Hole's Human Anatomy and Physiology* (good value!)
10th edition or later preferred. It is not worth it to buy new.

Example: 10th edition). WCB/McGraw Hill, Boston, MA, 2003. (ISBN = 0-07-243890-8)

Lab Manuals: others may be acceptable

Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology*,
any edition.

Example: 10th edition: WCB/McGraw Hill, Boston, MA, 2002. (ISBN = 0-07-243891-6)

Photo Atlas, one is required. An example of one that has been well-received:

Morton, D. and Perry, J., *Photo Atlas for Anatomy and Physiology*.

Buy this used, any edition!

Wadsworth Publishing Company, New York, NY, 1998 (ISBN = 0-534-51716-1)

Student Learning Outcomes:

At the end of the course the student will be able to:

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: Live online

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. Collaborate and/or Zoom
Actual methodology may vary according to topic.

Course Delivery: LRON Two sessions weekly (Each session: 3 hrs.)
www.LawrenceGAltman.com
Collaborate and/or Zoom
CONNECT

Evaluation & Grading:

Final grades will be based on the total number of points accumulated throughout the semester. Extra-credit opportunities (Bonus points) will be offered.

The point distribution will be as follows:

GRADING:

LECTURE TEST 01: 100 points
LECTURE TEST 02: 100 points
LECTURE TEST 03: 100 points
LECTURE TEST 04* 100 points

*Lecture Exam 04 = mandatory Final Exam *
100 multiple choice questions
Semi-cumulative. Details TBA*

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

The lowest 100 points (in any combination) from the 650 points above will be dropped.

BONUS POINTS: @7 points *Completion of the assigned **CONNECT** chapters.
Minimum: approximately 50 points offered (49)
Bonus Points: credited **after the Final Exam.***

Course grade: *Percentage out of 550 points after the lowest 100 points are dropped.*

Evaluation & Grading: (cont.)

For the purpose of computing numerical credit point averages, grades are evaluated as follows for each semester hour of credit. Grades on exams, papers, and quizzes, will be based on this grading system.

Letter Grade	Grade Scale	GPA Equivalency	Description
A	93-100	4.0	Distinguished achievement in all phases of the course or assignment
A-	90-92	3.7	
B+	87-89	3.3	
B	83-86	3.0	High level of achievement in some phases of the course or assignment
B-	80-82	2.7	
C+	77-79	2.3	
C	73-76	2.0	Basic understanding of the subject of the course or assignment
C-	70-72	1.7	
D+	67-69	1.3	
D	63-66	1.0	Minimal performance in the course or on the assignment
D-	60-62	0.7	
F	0-59	0.0	Failure

Final course grades are computed to a whole number. A grade at or above .50 truncated will be rounded up to the next whole number; any grade at or below .49 truncated will be rounded down to the whole number.

Examples:

Final Course Grade = 72.49 = 72 = C-

Final Course Grade = 72.50 = 73 = C

Course Outline/Readings:

A two-page **Binder Summary sheet is attached to this syllabus** for scheduled topics/dates for your section. Additional helpful websites and readings, grouped by topics may be found at www.LawrenceGAltman.com. This schedule may be modified at the discretion of the instructor to accommodate students' needs, and the instructor will notify the students when doing so, but students are responsible for being aware of any changes.

in learning. Current CSCU policy requires that students who do NOT begin participation in each class by a certain date be dropped from the class(es) in which there is no evidence of active participation. Logging into Blackboard alone does not prove engagement. Changes in enrollment may impact financial aid eligibility.

Student Consent to Class Session Recording:

Students will be asked to authorize faculty and staff at Naugatuck Valley Community College to record their likeness and voice on video, audio, photographic, digital, electronic, or any other medium during a class, lab, or other course activity session. The actual permission will state:

Student consent statement ("quiz" to be administered through Blackboard):

I hereby authorize the faculty and staff at Naugatuck Valley Community College, and those acting pursuant to its authority to: (a) Record my likeness and voice on a video, audio, photographic, digital, electronic or any other medium. (b) Use my name in connection with these recordings. (c) Use, reproduce, exhibit or distribute solely in the college's Learning Management System (Blackboard). I release the College and those acting pursuant to its authority from liability for any violation of any personal or proprietary right I may have in connection with such use. I understand that all such recordings, in Blackboard, shall remain the property of the Naugatuck Valley Community College.

Recording Class sessions:

Class sessions may be recorded and uploaded to Blackboard and shall be used for the purpose of completing course assignments only. Unless prior permission is obtained or reasonable accommodation granted, students are not permitted to record classes. Students participating in the virtual classroom should refrain from sharing personally identifiable information from education records. Additionally, U.S. Copyright Law, Connecticut State law, or relevant collective bargaining agreements protect the intellectual property of the faculty member, CSCU or Naugatuck Valley Community College, which may include, but is not limited to: lectures, demonstrations, or performances. Any redistribution of recordings without the faculty's or the institution's prior approval constitutes academic misconduct and may result in disciplinary sanctions. CSCU or (Naugatuck Valley Community College reserves the right to delete the class recordings pursuant to CT State law retention requirements after the period of instruction is over.

Instructor's Note:

This course will be not be intentionally recording class sessions except for exams. Should that change, the instructor will seek approval before proceeding.

Incomplete:

An Incomplete (I) is a temporary grade assigned to a student who, because of special circumstances, cannot complete the requirements of a course within the regular semester. Faculty may require documentation to substantiate special circumstances. The course work must be completed by the end of the next standard semester. The Registrar will convert the Incomplete upon receipt of a Grade Change Notification Form. If no Grade Change form is received by the end of the next standard semester, the "I" will be converted to the grade indicated by the faculty member based on a final grade calculated with zeroes for the incomplete assessments.

Withdrawal Policy:

The Spring 2021 withdrawal deadline for Full-term, Late-start, and Second-half semester classes is

Thursday, April 22, 2021.

Other deadlines are listed below:

First-half semester (classes ending on or before 3/23/21): Friday, March 5, 2021

First 10 weeks (classes ending on or before 4/9/21): Thursday, March 25, 2021

Withdrawing from a course can affect students' academic progress as well as their financial aid. If a student is considering withdrawing, they should first talk to their instructors about their current progress and explore alternatives. If students are on financial aid, talk to that office to understand any consequences. If students decide to withdraw, they must submit a written withdrawal request to the Office of the Registrar by the appropriate deadline. NOTE: *Students are responsible for completing appropriate withdrawal paperwork; instructors do not withdraw students from their classes.* For more information, see this link on the website:

<https://www.nv.edu/Admissions-and-Aid/Paying-for-College/Financial-Aid/Withdrawing-from-a-class>

Withdrawal Deadlines:

Spring 2021 withdrawal deadline for Full-term, Late-start, and Second-half semester classes is:

Thursday, April 22, 2021

Other withdrawal deadlines are listed below:

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First 10 weeks (classes ending on or before 4/9/21): Thursday, March 25, 2021

Blackboard Learn: This course makes limited use of Blackboard Learn, the digital teaching and learning platform for Connecticut Community Colleges. A copy of this syllabus, class handouts, and assignments will be posted in Blackboard. Students will need access to the Internet; please feel free to use our open computer labs, our library, and the ACE.

While mobile devices provide convenient access to check in and read information about courses, students should not try to take tests, quizzes, complete assignments, or submit substantive discussion posts in that way because Blackboard Learn is not fully supported on mobile devices at this time. If students have any problem using Blackboard Learn Mobile, they should contact Distance Learning at **203-575-8182** dl@nv.edu.

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 use a 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, or directly at <https://ctccs.blackboard.com>.

Tutoring Resources:



The Academic Center for Excellence (ACE). Our goal at the ACE is to continue to provide the greatest possible flexibility to our students and continue to support you in completing your assignments and allowing you to advance in your academic program. In order to protect our staff and students, we are shifting the ACE in-person tutoring and academic support services to online tutoring and support. ACE tutors are trained and prepared to help in these ways. To reach our ACE Tutors, [click here](#). We will get back to you within 24 hours.

Library Resources:

NVCC's Max R. Traurig Library provides print and online resources such as books, journals, films, and other learning resources on both the Waterbury and Danbury campuses. In order to access the library catalog search, visit the library website at <http://www.nv.edu/library>. On this page you can also chat with a librarian, read ebooks, watch streaming videos, and request print books for pick up.

Students can also make online or phone appointments with a librarian via the library website. In the appointment, the librarian will show you how to find research articles for your assignments and how to cite the articles you plan to use.

A limited number of computer use appointments will also be available. Please check the library website for the latest hours and information.

Library (cont.)The library also loans textbooks, laptops and Chromebooks, Wi-Fi hotspots, graphing calculators, USBs, guitars and drums, and sports equipment. Due to the COVID-19 pandemic, you will need to request an item via email, chat, or by placing a hold on the library website. You will be contacted when the item is available for you to pick up. Items will be loaned for the entire fall semester, but can be requested by another user after 3 weeks. In addition, library items may not be immediately available as they will be quarantined for 72 hours before becoming available again. Please contact the library staff with questions via

- live chat box on our website,
- text at (203) 951-8189, or
- email at library@nv.edu

Chat Hours:

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

Dean of Academic Affairs:

H. Justin Moore (Interim)
Kinney Hall – K719
nv-academicaffairs@nv.edu
203-575-8046 or 8231

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 meetings during the semester. 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.

Remember that you are responsible for what goes on in a class you have missed, and you should find out what went on in your absence.

To that end, you may want to write down several of your peers' phone numbers and e-mail addresses.

Class Cancellations:

If a class is cancelled or delayed because of weather or other unforeseen event, 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 Chief Executive Officer (CEO) of the College. To learn about these cancellations or delays promptly, please sign-up for MyCommNetAlert for immediate notifications.**

Students with Special Needs-ADA:

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. Contact Terry Latella in K519B or call 203-596-8608 in Waterbury and 203-437-9699 in Danbury) at the beginning of each semester. After providing documentation and completing the disability disclosure process, students are then encouraged to speak with their instructor(s) within the first two weeks of the semester to discuss any adjustments approved by the appropriate disabilities contact. 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 process.

Academic Misconduct:

At NVCC we expect the highest standards of academic honesty. Academic misconduct is prohibited in accordance with the Board of Regents **Student Code of Conduct** (Part D. Prohibited Conduct, 1. academic misconduct). This policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism, and other proscribed activities.

Academic misconduct extends to any student who aids in another's student's cheating. 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.

The first offense of academic misconduct may result in a grade of "F" or "0" for the assignment and/or failure in the course at the discretion of the instructor. (Please see the Student Handbook on the College website link for more information: <https://nv.edu/portals/0/documents/studentervices/studenthandbook.pdf>.) Any subsequent instances of academic misconduct will require the student to meet with the Dean of Academic Affairs. The Dean will determine the consequence for the subsequent instances of academic misconduct.

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.

Official Student Email:

NVCC students are given an official college-issued student email address, which is the primary way to receive any communications from the college. It is the students' responsibility to check their college-issued e-mail for all communications from their instructors and the college. Emails will no longer be sent to personal email accounts. Visit nv.edu/email for details on setting up an account or for help, call or visit IT: 203-575-8092 or nv.edu/IT. NVCC gives free access to web applications of Microsoft Word, Excel, PowerPoint and OneNote.

Student & Faculty Communication and Processes:

Good communication between students and their instructors can make a big difference in academic experiences. If a student has a question or problem with the course or an assignment, they should always try to talk to their instructor first. Please reach out to your instructor to arrange a time to meet to discuss any issues, questions, or problems you may be facing as soon as possible.

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. The Student Academic Appeals Process and forms are available beginning on page 36 of the Student Handbook:

<https://nv.edu/portals/0/documents/studentervices/studenthandbook.pdf>

Student Handbook:

Please see the **Student Handbook** on the College website (found under Student Resources) for more information on these and other policies and procedures such as all Code of Conduct violations, cell phone use in class, children on campus, smoking policy, and more.

<https://nv.edu/portals/0/documents/student-services/studenthandbook.pdf>

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.** See page 43 of the Student Handbook.

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, disability, including but not limited to present or past history of mental disability, learning disability or physical disability, sexual orientation, gender identity or expression or genetic information in treatment or employment at the College, in admission or access to the College, or in any other aspect of its programs and activities. In addition, the College does not discriminate in employment on the additional basis of veteran status or criminal record. The College is required by Title VI of the Civil Rights Act of 1964 (Title VI), Section 504 of the Rehabilitation Act of 1973 (Section 504), Title II of the Americans with Disabilities Act of 1990 (Title II), Title IX of the Education Amendments of 1972 (Title IX), the Age Discrimination Act of 1975 (Age Act), and their respective implementing regulations at 28 C.F.R. Part 35 and 34 C.F.R. Parts 100, 104, 106 and 110, not to discriminate on the basis of race, color, or national origin (Title VI); disability (Section 504/Title II); sex (Title IX); or age (Age Act). Inquiries concerning the application of each of the aforementioned statutes and their implementing regulations to the College may be referred to the applicable College Coordinators: Leah Glende, Director of Diversity & Inclusion/Section 504/Title II/ADA/Age Act Coordinator, CSCU System Office, glendel@ct.edu; 860-723-0727; Angelo Simoni, CSCU Title IX Coordinator – CSU System Office, 860-723-0165; Sarah Gager, Dean of Student Services/Deputy Title IX Coordinator, Section 504/Title II/ADA/Age Act Coordinator (Students), Naugatuck Valley Community College, Room K509a, 750 Chase Parkway, Waterbury, CT, 203-575-8086 or to the U.S. Department of Education, Office for Civil Rights, at (617) 289-0111 or 5 Post Office Square, 8th Floor, Boston, MA 02109-3921 (Rev 9/28/20)

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MATERIALS FOR LECTURE AND LAB: (approved alternate textbooks allowed)

CONNECT subscription. Link to enroll for your section will be posted.

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* (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, 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:

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 LawrenceGAltman@gmail.com

Lectures: TUE. 02:20 - 05:05 PM E-440
Labs: THU. 02:20 - 05:05 PM E-438

OFFICE HOURS: online
 5:10 PM - 6:00 PM Mondays and Wednesdays
 5:10 PM - 6:00 PM Tuesdays and Thursdays

Evening and Weekend hours
 7 days/week by appointment (COVID crisi accomodation)

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): 100 points see panel to the right >>>

COURSE GRADE: Percentage: (450 + 100)/550

- | | |
|----------|--|
| FEB 18 | LAB TEST 1 50 pts
(Labs 01-03) |
| MAR 02 | LECTURE EXAM 01 100 pts
(Chapters 14, 15 and 16) |
| APR 01 | LAB TEST 02 100 pts
(Labs 01-04 and 06-08) |
| APR 06 | LECTURE EXAM 02 100 pts
(Chapters 17 & 19) |
| APR 22 | LAB TEST 03 50 pts
Labs 09 - 10 (50 points) |
| APR 29 | LAB TEST 04 50 pts
Clinical Assignment notes |
| MAY 04 | LECTURE EXAM 03 100 pts
(Chapters 20 & 22a) |
| MAY 18 | FINAL EXAM: 100 pts |
| Thursday | 50% Female Reproduction
Endocrine System |
| | 50% Cumulative:
All Lectures + TBA Labs |

BIO. 212: ANATOMY & PHYSIOLOGY II
LABORATORY SCHEDULE
 SPRING 2021, CRN: 1296

Tu/Th Afternoons
Thursday Lab

<u>LAB: DATE:</u>	<u>REFERENCE:</u>	<u>TOPIC(S):</u>
01. JAN 28	LECTURE + LAB	Ch. 14 Blood: Histology/functions Blood: Histology/functions (Lab HO slides 1-8)
02. FEB 04	Exercise 39 (p. 317) Exercise 40 (p. 325)	Blood: Total White/Red Blood Cell Counts Hematocrit & Hemoglobin Determination Blood: Typing
03. FEB 11	Exercise 41 (p. 331)	Cardiovascular: Pig Heart /models
04. FEB 18	LAB TEST 01 (50 points) <i>Lab after 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 25	Lecture only:	Ch. 16, Lymphatic and Immune Systems
06. MAR 04	Exercise 46 (p. 367)	Cardiovascular: Dissection + assign Human Art./Veins
07. MAR 11	Exercise 47 (p. 381+)	Cardiovascular: Dissection + assign Human Art./Veins
*** MAR 15-22	Spring Break	Prep for Lab Tests 2 & 4 and Lecture Test 2
08. MAR 25 (100 points)	Exercise 47 (p. 381+) Lecture Catchup:	Cardiovascular: Dissection + assign Human Art./Veins Chapter 17, Digestive system
09. APR 01	LAB TEST 02 (100 points)	Labs 01-04, 06-08 (100 points) see first column Lecture Catchup: Chapter 17, Digestive system
09. APR 08	Exercise 52/53 (p. 429) Exercise 49/50 (p. 401) Exercise 58 (p. 473) Exercise 61 (p. 493) Possible guest	Dissection: Respiratory System Dissection: Digestive System Dissection: Urogenital Dissection: Reproductive System (male/female) Respiratory Volumes and capacities
10. APR 15	Exercise 56 (p. 459) Assign Clinical Lecture	Pig Kidney, models + Transplantation (time permitting) Tested on Lab Test 04
11. APR 22	LAB TEST 03 (50 points)	Labs 09 - 10 (50 points) see first column numbers After Lab Test 03: If necessary, continue with Lecture.
12. APR 29	LAB TEST 04 (50 points)	Clinical Topics Assignment (50 points) After Lab Test 04: If necessary, continue with Lecture.
13. MAY 06	Placeholder: weather cancellations + possible Yale Cadaver trip	

BIO. 212: ANATOMY & PHYSIOLOGY II
LECTURE TOPICS
SPRING 2021, CRN 1296

**Tu/Th Afternoons
 Thursday Lab**

Version Posted:
 January 14, 2021
 Subject to Modification.

JAN 26	TUE	Ch. 14	Blood: Histology/functions (LEC + LAB Tests)
FEB 02	TUE	Ch. 15	Cardiovascular System
FEB 09	TUE	Ch. 15	Cardiovascular System
FEB 16	TUE	Ch. 16	Cardiovascular System + start Lymphatic/Immune Systems
FEB 23	TUE	Ch. 16	Lymphatic/Immune Systems
FEB 25	THU	Ch. 16	Lymphatic/Immune Systems
MAR 02	TUE	-----	LECTURE EXAM 01; Chapters 14, 15 and 16
		Post-exam: Ch. 19	Respiratory System
MAR 09	TUE	Ch. 19	Respiratory System
MAR 16	-----	-----	SPRING BREAK March 16-22
MAR 23	TUE	Ch. 17	Digestive System
MAR 30	TUE	Ch. 17	Digestive System
APR 01	THU	Ch. 17	Digestive System
APR 06	TUE	-----	LECTURE EXAM 02; Chapters 17 and 19
		Post-exam: Ch. 20	Urinary System
APR 13	TUE	Ch. 20	Urinary System
APR 20	TUE	Ch. 20	Urinary System
APR 27	TUE	Ch. 22a	Reproductive System (male)
APR 29	THU	Ch. 22b Ch. 13	Reproductive System (female) Endocrine System
MAY 04	TUE	-----	LECTURE EXAM 03; Chapters 20 and 22a
		Post-exam: Ch. 13	Endocrine System
MAY 06	THU	Ch. 13	Endocrine System
MAY 18	TUE	FINAL	100 questions @1 pts = 100 points: this test may be optional.
		<i>required</i>	50 questions: Female Reproduction and Endocrine systems
			50 questions: Cumulative No Labs <u>unless</u> announced