

BIOLOGY 2212: HUMAN ANATOMY AND PHYSIOLOGY I

Human Anatomy and Physiology I: Biol 2212

Instructor: Dr. Andrew Meyer: Sequoya 107

Phone: 706 272-2486 Cell: 706 264-4433. Texting is great but please identify yourself and the class you are in so I can give accurate responses.

email: ameyer@daltonstate.edu

Student hours: - come chat with me virtually!

- Monday 10:00 to 12:00
- Wednesday: 10:00 -12:00
- Wed: 7:00-8:00 (virtual only in Collaborate)

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

Lab text: Human Anatomy and Physiology, Marieb, main version. You will also need access to Mastering A and P. Please wait for instructions on what you need to do before purchasing.

<https://www.pearsonmylabandmastering.com/northamerica/masteringaandp/>

Student learning outcomes for Biol 2212k: Human Anatomy and Physiology I

Upon completion of this course, the student should be able to:

- Accurately use basic anatomical and directional terminology
- Demonstrate knowledge of the fundamental concepts and principles of biochemistry, cell biology and histology.
- Identify the basic cell types and structures of the following systems: Integumentary, skeletal, muscular, nervous, special senses, and endocrine.
- Demonstrate understanding of how the above systems function in a healthy human body.
- Demonstrate understanding the concept of homeostasis and the role each of these systems plays in maintaining homeostasis in a healthy human body.

Anatomy and Physiology I is the first course in a two part series of courses designed to give you a working overview of how our bodies function. One of the major concepts you will need to understand along the way is that all of our body systems contribute significantly to a healthy condition we call homeostasis. Once you get acquainted with that idea, you will begin to see how all of our systems work together.

What we will do this semester is start small and look at the chemicals and molecules that make up our bodies. This should be review for most of you, but it does introduce some things we will need to know later... even next semester. My best tip to you is to do your best to REMEMBER EVERYTHING. Our bodies are not organized in chapters and tests... what is on Test 1 does NOT disappear after you take the test. We use and build on things we learn. The more you can make and keep the connections as we build the better you will do. We will then build our molecules into cells and discuss how cells work and function as tissues. Our tissues come together to make organs and systems- the interesting part of anatomy and physiology!

As we approach each system, we will generally spend our lab time learning about the anatomy of that system. We dissect brains, eyes, cats, and other things to SEE how things are put together. We learn the names and structures of things and have weekly quizzes over what we see and do in lab. Lectures are used to discuss HOW these things work. We will find out all sorts of interesting things like how drugs work on our brains, why we get tan, what happens when good eyes go bad, and why strychnine is bad for you.

At the end of the semester, we will have a comprehensive final. Most people are stressed by this concept, but if you work on REMEMBERING things and making connections as we build a body, you will find it to be an enjoyable and pleasurable experience. I am here to help you learn and build and make connections in the material covered. Please ask for any and all assistance you may need. Studying in GROUPS is also helpful. I highly recommend small study groups as a way of improving your understanding. I will have a web site available to you with helpful hints, tips, and other information that will help you learn (I hope). So, Enjoy and get smart and ask for help!

Suggestions on how to approach this course:

College in the midst of the pandemic is a challenge for both instructors and students! So, here are some suggestions to help everyone be successful and a quick explanation of my approach.

Class lectures will be as scheduled: I will livestream them for those who cannot be there and record them as well. All the lecture notes are available in GeorgiaView. I suggest you **think of this class as a hybrid class** where you meet once a week and rely on recordings and lecture notes to study on your own time. It works well as you get in person time as well as all the resources you need!

I know your schedules may change and quarantines happen. Labs will be in person as scheduled and I highly recommend you come to them when you can. If you are unable to come there will be virtual exercises available in Mastering A and P that will help you understand what you missed.

Students that were successful last semester used this approach – be there when you can and rely on recordings and notes when you can't. They also kept up with the assignments in Mastering A and P.

Finally, they were not afraid to reach out for help and ask questions! I try to be as accessible as I can so feel free to let me know how to help you be successful.

Emergency Instructional Plan

If the college is closed for inclement weather or other conditions, we will continue to hold our regularly scheduled class meetings via the chat module. If for some reason, Georgiaview is not available, please check your e-mail for additional assignments. Compensatory make-up days may be required if the total number of days lost exceeds the equivalent of one week of class time.

Grading: Your grade will be based upon the following: Georgiaview will have a column in the grade book that will calculate your grade as the semester progresses.

5 lecture exams: 100 points each

Mastering A and P Homework- 100 pts

1 comprehensive final: 200 points

The average of these 8 grades will be 75% of your course grade

Lab grade (**effort**, Lab Practicals, computer assignments, **quizzes**, etc). The average of these will be 25% of your course grade.

90- 100% = A

80-89% = B

70-79%=C

60-69%=D

Below 60=F

Attendance: You are encouraged to attend all scheduled class and lab periods. If you miss a class or a lab, YOU are the one responsible for finding out about missed assignments, announcements, and any material covered in your absence. If you must miss a lecture exam or quiz, please notify me the day of the exam. Under extreme circumstances, an essay/short answer make up exam may be given. There will be NO make up exams for missed lab quizzes. Late assignments may not be accepted. Please do not bring children/guests to lab or class.

GeorgiaView: GeorgiaView is an integral part the course but is NOT meant to be a substitute for class and lab attendance and participation. If I feel that you are not actively participating and attending class and labs on a regular basis (for example missing 2 weeks in a row or more than half the classes) your Georgiaview access may be restricted.

COURSE POLICIES AND PROCEDURES

COVID-19 Syllabus Statement

Make sure that you check your campus email regularly for updates from the college and from your professors.

Responsibilities

- ❖ Wear your mask/face covering that covers both your mouth and nose on campus.
- ❖ Do a self-check every morning: **stay home if you don't feel well or develop (one of the symptoms)**; your professors will work with you on completing assignments, so do not risk exposing your classmates and professors with COVID-19.
- ❖ Each day review the [Student Covid Self Screen](#) before coming to class and follow the instructions on the self-screen if you are exhibiting symptoms.
- ❖ Wash your hands often with soap and water, covering all surfaces of your hands and rub them together for at least 20 seconds.
- ❖ If soap and water are not readily available, use a hand sanitizer that contains at least 60% alcohol. Cover all surfaces your hand and rub them together for at least 20 seconds.
- ❖ Avoid touching your eyes, nose, and mouth with unwashed hands.
- ❖ Cover your cough and sneezes with a tissue or inside your elbow.
- ❖ Practice physical distancing while on campus by keeping space between yourself and others.
- ❖ Stay at least 6 feet (2 meters) from other people. Do not gather in groups.
- ❖ Stay out of crowded places and avoid mass gatherings.
- ❖ Contact Disability Access or contact Andrea Roberson at aroberson@daltonstate.edu for more information if you need accommodations.

What if I am exposed to COVID-19, get sick, or a family member gets sick that I need to care for?

Students who have tested positive for COVID-19, suspect a positive diagnosis, have symptoms of illness, are following self-quarantine requirements because of direct exposure or presumed exposure or who are caring for a family member should complete the [COVID19 Student Health Reporting Form](#) **AND** remain at home. Residential students should remain in their room and notify [Mr. Tim Reilly](#), Director of Housing or Mashburn Administrative Staff Member on Call immediately.

If You Must Stay Home But Are Well Enough to Continue Your Studies

- ❖ Contact your instructor so that you can keep up with your classes through your instructor's learning platform.

If You Must Stay Home But Are Not Well Enough to Continue Your Studies

- ❖ Contact your instructor to make any necessary flexible arrangements to complete the coursework.
- ❖ Students with a COVID-19 test or diagnosis may choose to obtain a medical withdrawal for courses.

Roadrunner Respect

I pledge to show my fellow Roadrunner students, faculty, staff, and administration respect by treating others the way they want to be treated and by thinking about others first, before making decisions that might affect them.

For additional information, please refer to the Dalton State coronavirus webpage at <https://roadrunner.daltonstate.edu/coronavirusfaqs.cms>

Ken White Student Health Center Services

Limiting the spread of contagious respiratory illness on campus is a primary goal of the staff of the Ken White Student Health Center. Changes to the delivery of services have been made with thoughtful consideration to protect our students and our campus from unnecessary exposure to contagious illnesses while delivering essential health services.

To provide for the safety of our patients, the following procedures will be followed:

- We will see patients **BY APPOINTMENT ONLY**.
- **Please call 706-272-2532** to schedule an appointment. You must have an appointment to enter the health center.
- All patients will be pre-screened for COVID-19 symptoms by telephone before scheduling an appointment.
- **We are not able to provide COVID-19 testing on campus. Patients who need COVID-19 testing will be referred to a local testing facility.**

CARE TEAM

The Campus Assessment, Response, and Evaluation Team, also known as CARE, at Dalton State College engages in proactive and collaborative approaches to identify, assess, and mitigate potential risks associated with members of the campus who exhibit concerning or unusual behaviors. Report a concern through the [CARE Reporting Form](#)ⁱ. Should you have questions, contact the Dean of Students' Office at 706.272.4428.

DISABILITY ACCESS

(From [Disability Access](#)ⁱⁱ website)

Students with disabilities or special needs are encouraged to contact Disability Access. In order to make an appointment or to obtain information on the process for qualifying for accommodations, the student should visit the [Disability Access Library Guide](#)ⁱⁱⁱ or contact the Disability Access office.

Contact information

Andrea Roberson, Associate Director of Disability Access and Student Support Services
 Pope Student Center, upper level
 706-272-2524
aroberson@daltonstate.edu

ETHICAL CONDUCT

(Last Modified May 2018)

Academic Dishonesty: You will be expected to uphold the highest standards of academic integrity. Cheating of any sort will result in an 0 for the assignment and repeated offenses an F for the course. Cheating and plagiarism are a part of the Dalton State Student Code of Conduct, which can be found in its most updated form at [Dalton State Student Code of Conduct](#).^{iv} ANY assistance provided or given in any way toward work in a class constitutes cheating, unless such behavior is authorized by your instructor. Additionally, any use of the ideas or words of others should be noted, or this will constitute plagiarism. Using another students' work or collaborating on an assignment not designated as collaborative is unacceptable. Furthermore, presenting work that was completed for another class, while not plagiarism technically, is not the same as presenting original work, and is therefore unacceptable unless it has been authorized by your instructor. For more details on what Dalton State considers to be Academic Dishonesty, please review the Student Code of Conduct. Instructors will assign grades based on classroom performance. Additional sanctions may be provided as a learning experience from the Student Conduct process.

Classroom Behavior Dalton State is committed to respect via the Roadrunner Respect pledge. To learn more, please visit [Roadrunner Respect](#).^v "I pledge to show my fellow Roadrunner students, faculty, staff, and administration respect by treating others the way they want to be treated and by thinking about others first before making decisions that might affect them."

COURSE WITHDRAWAL STATEMENT

(Last Modified May 2018)

The last day to drop this class without penalty (a W or a required signature) is Friday, March 19, 2021. If you complete the proper paperwork to drop the course by this date, you will be assigned a grade of W. After this date, withdrawal without penalty is permitted only in cases of [Extreme Hardship](#)^{vi} as determined by the Vice President for Academic Affairs; otherwise a grade of WF will be issued. Students who fail to complete the official drop/withdrawal procedure will receive the grade of F. Withdrawal from class is a student responsibility. The grade of W counts as hours attempted for the purposes of financial aid.

FULL WITHDRAWAL STATEMENT

The proper form for withdrawing from all classes at the college after the official drop/add period but before the published withdrawal date ([Academic Campus Calendar](#)^{vii}) is the [Schedule Adjustment Form](#)^{viii} All students must meet with a staff member at the Dean of Students office in the upper-level of the Pope Student Center to initiate the withdrawal process and complete

an exit interview. After meeting with the staff member, students will then finalize the withdrawal process in the Enrollment Services Office.

GRADE APPEALS

A student may file a formal challenge to a grade if there is unequivocal evidence that one or more of the following applies:

- a) It was a direct result of arbitrary and capricious conduct on the part of the instructor;
- b) The instructor discriminated against the student on the basis of a protected classification as the term is defined by Federal Law, Georgia State Law, or the Administrative Code of the City of Dalton;
- c) The grade was incorrectly calculated;
- d) A clerical error occurred in recording the grade; or
- e) A mitigating circumstance prevented the student from completing a final assignment or attending the final exam.

To appeal a grade, the student must notify the instructor in writing no later than two days after the posting of final grades. See [Grade Changes and Appeals](#)^{ix} for the complete documentation.

ACADEMIC PROGRESSION

To remain in academically good standing, students must maintain an institutional GPA of 2.0 or higher. Students who do not maintain a 2.0 move through a sequence of statuses ranging from Academic Warning to Academic Probation to Academic Suspension to Academic Dismissal. See [Academic Progress](#)^x for the complete documentation.

TITLE IX INFORMATION

[Student Sexual Misconduct Policy](#)^{xi}

(Last Modified May 2018)

In accordance with Title IX of the Education Amendments of 1972 (“Title IX”), the University System of Georgia (USG) does not discriminate on the basis of sex in any of its education programs or activities or in employment. The USG is committed to ensuring a safe learning and working environment for all members of the USG community. To that end, this Policy prohibits sexual misconduct, as defined herein.

Please visit the [Title IX at Dalton State web page](#)^{xii} for additional information on the [policy](#)^{xiii}, [How to Report](#)^{xiv}, [Resources](#)^{xv}, and [Campus Programs](#)^{xvi}.

HOUSE BILL 280

(Last Modified May 2018)

[House Bill 280](#)^{xvii} commonly known as the “campus carry” legislation, is effective as of July 1, 2017.

OFFICIALLY APPROVED DSC GROUPS AND ACTIVITIES

(Last Modified May 2018)

When students are engaged in officially approved Dalton State groups or activities that require them to participate in events off campus during school days, they shall be treated similarly to any faculty or staff member acting in that same capacity. Thus, just as faculty and staff have excused absences from their regular work schedules, students shall be excused from class without penalty if they are off campus representing Dalton State College in an approved, official capacity during their regular class time. Examples include presenting a paper or otherwise participating in a conference, attending a University System student affairs event, participating in intercollegiate competition (athletic or academic), participating in an approved field trip, etc. Just as faculty and staff members are required to submit Request to Travel forms for approval, in order to be excused, the student needs to provide the following information to the instructor prior to the date when he/she will be absent from class:

- notification of the event (in the case of athletics, students should provide each instructor a schedule of away events at the beginning of the semester or as soon as possible after the schedule is available);
- estimated time of departure from and return to campus (for example, if a student has an away game in the evening and will not be leaving campus until 3:00, he/she will not be excused from classes prior to that time on that day; similarly, if the event is in the morning and the student will be returning to campus during the day, he/she is expected to attend any class scheduled after the return trip); and
- contact information for the person or organization sponsoring/authorizing the student's participation in the event

The student shall be allowed to make up any work missed during the time he/she is off campus representing DSC in an official capacity. He/she shall discuss what will be missed with the instructor and make arrangements to make up any assignments, tests, presentations, etc. scheduled on that date.

Course Schedule: Biology 2212 Human Anatomy and Physiology I

Spring 2021. Dr. Andy Meyer: Sequoia 107 phone: 272-2486, cell: 706 264-4433

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

Lab text: Human Anatomy and Physiology, Marieb, main version

Monday starts the week!	Lecture Material	Lab assignments
Week 1: Week of Jan 11	Introduction, Chemistry	Language of Anatomy
Week 2: Week of Jan 18	Chemistry, Cells	No Lab
Week 3: Week of Jan 25	Cells/TEST 1	Cells/Microscope
Week 4: Week of Feb 1	Tissues	Tissues
Week 5: Week of Feb 8	Integument	Integument
Week 6: Week of Feb 15	Nervous/Test 2	Lab Test 1 Review
Week 7: Week of Feb 22	Central Nervous System	Lab Test 1
Week 8: Week of March 1	Nervousness	CNS Brain
Week 9: Week of March 8	Nervousness increases	Spinal cord
Week 10: Week of March 15	Spring BREAK	No Lab
Week 11: Week of March 22	Test 3	Senses
Week 11: Week of March 29	Senses/Endocrine	Bones
Week 12: Week of April 5	Endocrine	Bones
Week 13: Week of April 12	Skeletal/Test 4	Lab Practical
Week 14: Week of April 19	Muscles	TBA
Week 15: Week of April 26	Test 5	

FULL URL LINKS

ⁱ **CARE Reporting Form:** https://cm.maxient.com/reportingform.php?DaltonStateCollege&layout_id=1

ⁱⁱ **Disability Access:** <http://libguides.daltonstate.edu/c.php?g=24716&p=149667>

ⁱⁱⁱ **Disability Access Library Guide:** <http://libguides.daltonstate.edu/c.php?g=24716&p=149663>

^{iv} **Dalton State Student Code of Conduct:** https://www.daltonstate.edu/campus_life/code-of-conduct.cms

^v **Roadrunner Respect:** https://www.daltonstate.edu/campus_life/respect-photo-gallery.cms

^{vi} **Extreme Hardship:**
<https://www.daltonstate.edu/skins/userfiles/files/DSC%20website%20landing%20page%20information.pdf>

^{vii} **Academic Campus Calendar:** <https://www.daltonstate.edu/about/calendars.cms>

^{viii} **Scheduled Adjustment Form:** <https://www.daltonstate.edu/skins/userfiles/files/schedule-adjustment-form.pdf>

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- ^{ix} **Grade Appeals:** https://libguides.daltonstate.edu/ld.php?content_id=42740257
- ^x **Academic Progression:** https://libguides.daltonstate.edu/ld.php?content_id=42740270
- ^{xi} **Student Sexual Misconduct Policy:** <http://www.usg.edu/policymanual/section4/policy/C327/>
- ^{xii} **Title IX at Dalton State web page:** <https://www.daltonstate.edu/about/title-ix.cms>
- ^{xiii} **Title IX Policy:** <https://www.daltonstate.edu/about/title-iv-policy.cms>
- ^{xiv} **Title IX How to Report:** <https://www.daltonstate.edu/about/title-ix-report.cms>
- ^{xv} **Title IX Resources:** <https://www.daltonstate.edu/about/title-ix-campus-community-resources.cms>
- ^{xvi} **Title IX Campus Programs:** <https://www.daltonstate.edu/about/title-ix-campus-community-resources.cms>
- ^{xvii} **House Bill 280:** <http://www.usg.edu/hb280>