BIOS 3753 Syllabus

**Human Anatomy, 3 credits**

**Lecture: T-Th 9:30-10:45 AM Location: Architecture (East) 123**

**Instructor Information**

|  |  |  |
| --- | --- | --- |
| Instructor | Email | Office Hours & Location |
| Dr. Adam J. Decker | anatomy@gatech.edu | 555 14th st. T/R 11-1 |
| **Teaching Assistant(s)** | **Email** | **Office Hours & Location** |
| Joseph Shaver | Jshaver6@gatech.edu | TBA |

**General Information**

**Description**

Human Anatomy introduces the student to the structures of the human body and the relationship of the structures to each other, using a systems and regional approach of study, and provides information on the connection of structure and function.

## Pre- &/or Co-Requisites: BIOS 1108 AND (BIOS 1108L OR BIOS 1208L) OR BIOL 1520 OR BIOL 1521 OR CHEM 1211K OR VHEM 1310

## Course Goals and Learning Outcomes

Students will

1. Acquire working knowledge of anatomical terminology.
2. Learn anatomical structures comprising tissues and organ systems of the human body.
3. Learn the relationship of the structures to one another.
4. Learn the basic functions of the tissues and organs.

**Course Requirements & Grading**

4 Lecture Exams 400 points

Terminology Quiz 60 points

4 Online Quizzes 100 points

Clinical cases (4) 40 points

Final Exam (cumulative) 200 points

Bonus/participation 10 points

Total possible points for the course 810 points

**Material for the exams will be coming from both lecture notes and assigned readings.**

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| 725.00 (90%) = A |
| 644.00 (80%) = B |
| 563.00 (70%) = C |
| 482.00 (60%) = D |
| < 482.00 = F |

**Extra Credit Opportunities**

Approximately 10 points may be added to total course points of 800: These points can be earned by participating in unannounced quizzes, attendance, problems (i.e. case studies) or questions primarily given during lectures throughout the semester.

**Description of Graded Components**

A terminology quiz will be given the second week of class. This will assess your knowledge of key anatomical root words we will use throughout the semester. There will be four in class lecture exams. These exams will cover content discussed in the lecture notes and assigned readings. There will be four online quizzes which will come from the textbook readings directly. Four case studies will focus on applying the anatomy we learn to real life clinical cases. These are to be submitted in hard copy form.

Your final exam is comprehensive and will cover content from day one

**Grading Scale**

Your final grade will be assigned as a letter grade according to the following scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 0-59%

According to policy, grades at Georgia Tech are interpreted as follows:

A Excellent (4 quality points per credit hour)

B Good (3 quality points per credit hour)

C Satisfactory (2 quality points per credit hour)

D Passing (1 quality point per credit hour)

F Failure (0 quality points per credit hour)

See <http://registrar.gatech.edu/info/grading-system> for more information about the grading system at Georgia Tech.]

**Course Materials**

**Course Text**

Human Anatomy, Martini, Tallitsch, Nath. Pearson, 9th edition, 2018,

ISBN-13: 978-0134320762 (with access to mastering A and P)

## Course Website and Other Classroom Management Tools

This semester we will be using Canvas for all course content. Quizzes will be coming from Mastering A&P through the Pearson publishing which will also be found on Canvas

**Course Expectations & Guidelines**

Final course grades are assigned objectively and without regard to a student's academic standing or to the requirements of other departments or programs. It is each student's responsibility to see that she or he is safely above any minimum requirements that may apply. Appeals regarding a student's failure to meet such requirements should be directed to the department or program that demands them and not to the BIOS 3753 staff. No extra credit projects (other than the bonus points given in lecture) to raise a final grade will be accepted.

If, on your first lecture or lab exam, you get a grade lower than you need in the course, do something about it right away. The rest of the exams will not be easier. Go over your exam carefully to see why you missed the questions. Do this after every exam, but especially if your score is less than expected.

The BIOS 3753 staff members are willing to help you. Don't wait until just before the last exam to see how you can improve your grade!

## Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. For information on Georgia Tech's Academic Honor Code, please visit http://www.catalog.gatech.edu/policies/honor-code/ or <http://www.catalog.gatech.edu/rules/18/>.

Any student suspected of cheating or plagiarizing on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

## Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services at (404)894-2563 or <http://disabilityservices.gatech.edu/>, as soon as possible, to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

## Attendance and/or Participation

Attendance is critical in the success in human anatomy. The course moves at a rapid pace and it is expected that all students be present. If you foresee that you will miss a lecture, please email either myself or the TA. It will be up to you to seek out what information was missed.

## Extensions, Late Assignments, & Re-Scheduled/Missed Exams

**Make up exams** will be considered only in the case of an emergency (documentation required) or if prior arrangements have been made.

In the case of an emergency, you must contact the instructor within 24 hours and provide verifiable documentation of the emergency.

If you know you will miss a quiz or exam because of a school sponsored event (e.g. athletic event, workshop, etc.) or an extremely important personal issue, you need to contact me at least 1 week prior to the quiz or exam and make necessary arrangements to complete the missed work. In most cases I will ask you to complete the work *before* your absence.

NO late submissions accepted on assignments without verifiable documentation.

## Student-Faculty Expectations Agreement

At Georgia Tech we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See <http://www.catalog.gatech.edu/rules/22/> for an articulation of some basic expectation that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

## Student Use of Mobile Devices in the Classroom

There is to be NO video recording of any lectures. Lectures may be taped via audio. NO cell phone use during class. If you need to make a call, politely exit the back of the lecture hall.

## Additional Course Policies

* No food or drink in classroom
* No video or photography taken
* No talking
* Bring Buzz card to all exams

**Campus Resources for Students**

In your time at Georgia Tech, you may find yourself in need of support. Below you will find some resources to support you both as a student and as a person.

**Academic support**

* Center for Academic Success <http://success.gatech.edu>
  + 1-to-1 tutoring <http://success.gatech.edu/1-1-tutoring>
  + Peer-Led Undergraduate Study (PLUS) <http://success.gatech.edu/tutoring/plus>
  + Academic coaching http://success.gatech.edu/coaching
* Residence Life's Learning Assistance Program

<https://housing.gatech.edu/learning-assistance-program>

* + Drop-in tutoring for many 1000 level courses
* OMED: Educational Services (<http://omed.gatech.edu/programs/academic-support>)
  + Group study sessions and tutoring programs
* Communication Center (<http://www.communicationcenter.gatech.edu>)
  + Individualized help with writing and multimedia projects
* Academic advisors for your major

<http://advising.gatech.edu/>

**Personal Support**

Georgia Tech Resources

* The Office of the Dean of Students: <http://studentlife.gatech.edu/content/services>; **404-894-6367**; Smithgall Student Services Building 2nd floor
  + You also may request assistance at <https://gatech-advocate.symplicity.com/care_report/index.php/pid383662?>
* Counseling Center: <http://counseling.gatech.edu>; **404-894-2575**; Smithgall Student Services Building 2nd floor
  + Services include short-term individual counseling, group counseling, couples counseling, testing and assessment, referral services, and crisis intervention. Their website also includes links to state and national resources.
  + *Students in crisis may walk in during business hours (8am-5pm, Monday through Friday) or contact the counselor on call after hours at* ***404-894-2204****.*
* Students’ Temporary Assistance and Resources (STAR): <http://studentlife.gatech.edu/content/need-help>
  + Can assist with interview clothing, food, and housing needs.
* Stamps Health Services: <https://health.gatech.edu>; **404-894-1420**
  + Primary care, pharmacy, women’s health, psychiatry, immunization and allergy, health promotion, and nutrition
* OMED: Educational Services: <http://www.omed.gatech.edu>
* **Women’s Resource Center:** [**http://www.womenscenter.gatech.edu**](http://www.womenscenter.gatech.edu)**; 404-385-0230**
* **LGBTQIA Resource Center:** [**http://lgbtqia.gatech.edu/**](http://lgbtqia.gatech.edu/)**; 404-385-2679**
* **Veteran’s Resource Center:** [**http://veterans.gatech.edu/**](http://veterans.gatech.edu/)**; 404-385-2067**
* **Georgia Tech Police:** **404-894-2500**

**Statement of Intent for Inclusivity**

As a member of the Georgia Tech community, I am committed to creating a learning environment in which all of my students feel safe and included. Because we are individuals with varying needs, I am reliant on your feedback to achieve this goal. To that end, I invite you to enter into dialogue with me about the things I can stop, start, and continue doing to make my classroom an environment in which every student feels valued and can engage actively in our learning community.

**Course Schedule**

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| Date | Topic | Reading  Assignments |
| 8/21 | Orientation |  |
| 8/23 | Terminology/Body Planes/Cavities | pp 2-23 |
| 8/28 | Histology  Osseous Tissue  Terminology Quiz (in class)  **Material for this quiz will come from Page 124 (fig.5.12) and 809** | pp. 50-76  pp. 108-124 |
| 8/30 | Osseous Tissue cont’d |  |
| 9/4 | Axial Skeleton  Online Quiz #1 due at 11:59p.m. (Integumentary)  pp. 87-103 |  |
| 9/6 | Appendicular Skeleton |  |
| 9/11 | Exam #1  Case study #1 due |  |
| 9/13 | Arthrology | pp. 204-230 |
| 9/18 | Muscle Tissue | pp.234-255,  plus table 9.2 |
| 9/20 | Axial Muscle System | 260-278 |
| 9/25 | Appendicular Muscle System | 283-321 |
| 9/27 | Cervical, Brachial, Lumbar and Sacral Plexus  Cranial Nerves | pp. 339-354 |
| 10/2 | Thoracic Cavity |  |
| 10/4 | Exam #2  Case study #2 due  [Muscle list](file:///C:\Users\eb181\Documents\Biological%20Sciences\Undergraduate%20Committee\Downloads\Muscle+lecture+list.docx)  (Arthrology through Cranial nerves | pp. 404-433 |
| 10/9 | **No Class** |  |
| 10/11 | Mediastinum |  |
| 10/16 | Anterior abdominal wall | pp. 361-365 |
| 10/18 | Inguinal canal and spermatic cord | pp.388-399 |
| 10/23 | Abdominal viscera I  Online Quiz #2 (special senses) due 11:59 p.m.  pp.476--500  Olfaction, Hearing, Gustation, Vision. | pp.366-382  pp.434-442 |
| 10/25 | Abdominal viscera II | pp. 450-465 |
| 10/30 | Exam #3  Case study #3 due  Thoracic cavity through abdominal viscera)  No special senses | pp. 612-629  pp. 513-529 |
| 11/1 | Hematology | pp. 529-540 |
| 11/6 | Splanchnic circulation  Posterior abdominal wall | pp. 546-562 |
| 11/8 | Pelvis and Perineum I | pp.568-598 |
| 11/13 | Pelvis and Perineum II |  |
| 11/15 | Online Quiz #3 (Endocrine) due at 11:59 p.m. pp. 507-523 |  |
| 11/20 | Head and neck | pp.568-598 |
| 11/22 | No Class |  |
| 11/27 | Head and neck | pp. 625-645 |
| 11/29 | Exam #4  Case study #4 due  Hematology through pelvis and perineum |  |
| 12/4 | Online Quiz #4 (Lymphatic) due at 11:59 p.m. pp.604-619 | pp.688-702 |
| 12/13  11:20-2:10 | Comprehensive final exam |  |
| Reading assignments schedule to change  Schedule subject to change | | | |
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