BIOS 3754 Syllabus

**Human Anatomy Lab, 1 credit**

**Lab: A- Tuesday 12-2:40 C- Thursday 12-2:40**

**B- Tuesday 3-5:40 D- Thursday 3-5:40 Location: CULC 475**

**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** |
| Mary Alice White GTA  Audra Davidson GTA | Mwhite3@gatech.edu | TBA |

**General Information**

**Description**

Human Anatomy lab offers a hand on approach to learning anatomy through the use of models, plastinated specimens and select organ dissection. Students will learn 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-Requisites: BIOS 1108 AND (BIOS 1108L OR BIOS 1208L) OR BIOL 1520 OR BIOL 1521 OR CHEM 1211K OR 1310

## Co-Requisite: BIOS 3753

## Course Goals and Learning Outcomes

Students will

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

**Course Requirements & Grading**

3 lab practicals 600 points

4 Quizzes 100 points

Participation 50 points

Total possible points for the course 750 points

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

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| 675.00 (90%) = A |
| 600.00 (80%) = B |
| 525.00 (70%) = C |
| 450.00 (60%) = D |
| < 450.00 = F |

**Extra Credit Opportunities**

There are no extra credit opportunities

**Description of Graded Components**

Three practical exams will be given with each being worth 200 points. The practical exams are set up as 25 stations with 4 questions per station. This is a timed exam and you will have 2 minutes to complete each station. The final is not comprehensive.

The in class quizzes will be announced ahead of time. These may include identifying images on the screen or using models to identify structures.

Participation points are awarded for attendance and group activities as well as oral quizzing.

**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 Laboratory Guide for APPH 3754, Decker, Pearson, 2nd edition, 2017

## Course Website and Other Classroom Management Tools

This semester we will be using Canvas for all course content.

**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 3754 staff. No extra credit projects to raise a final grade will be accepted.

If, on your first 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 3754 staff members are willing to help you. Don't wait until just before the last exam to see how you can improve your grade!

Among lab study partners, at least one member of each lab table should bring the textbook that accompanies the lecture class. You will find that laboratory study is most successful if you share time and information with your lab group. Cooperative learning is efficient and reinforcing. For example, one person hold the text (labeled diagrams) giving directions and corrections as the others locate and point out structures on a model or specimen, then reverse roles.

You will be tested three times during the course of the semester. Each test (referred to as a lab practical) will result in a major component of your final lab grade.

At the beginning of each lab period you will be told by your TA the objectives to be accomplished during that lab session. There may be a checklist of activities listed on the board, an oral presentation of activities and instructions, or a written handout with instructions for the lab. The materials you need may be placed on your lab table from the outset, or grouped on the center tables, or on a cart indicated by the instructor.

**Listen carefully to oral instructions about the particular materials to be used during the period, their location, and how to clean them, put them away, or dispose of them after the lab.** We share the lab with the biology department and we need your help and consideration in keeping the lab orderly and clean. You need to make sure that the next group coming in will find their space and materials in a usable condition, including placing the lab chairs neatly in place at each station.

## 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 lab, 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 practical *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 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.

## 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 lab. Pictures may be taken of the models in use.

## Additional Course Policies

1. No smoking.

2. Do NOT bring food or drink into the lab. Chewing gum, applying cosmetics, putting pens or pencils into your mouth are discouraged.

3. Always wear shoes in the lab.

4. Non-registered students or children may not visit the lab.

5. Keep the laboratory as clean and neat as possible at all times. Put extra books, purses, coats, etc. well away from the work area. Replace chairs at lab stations as you leave. Properly dispose of trash. Pay attention to special instructions regarding clean-up of equipment or disposal of supplies.

6. Report any defects in the models or equipment immediately to your instructor.

7. The lab period begins promptly. Read all instructions before beginning the lab.

8. Learn the location of the fire-extinguisher and first-aid kit.

9. Report any accident, injury, or unusual event to the instructor, no matter how insignificant it may seem. An incident report will be filled out and filed with the signature of the students involved and the instructor.

10. Read and sign a copy of the Risk Assessment Policy, Laboratory Safety Agreement and High-Risk Release, and return it to your instructor by the second lab period. The Risk Assessment Policy was developed in order to familiarize students with informed consent procedures and medical/legal issues as well as to identify situations incompatible with safe completion of the course.

11. **UNDER NO CIRCUMSTANCES SHOULD A STUDENT REMOVE LAB MATERIALS FROM THE LAB, NOR BRING UNAUTHORIZED PERSONS INTO THE LAB!!!**

12. **NO** video is to be taken of any TA covering course material

**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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| Week 1 | Introduction to the Lab  Integumentary System  Skull |
| Week 2 | Skull  Spinal Column  Pectoral and Pelvic Girdles |
| Week 3 | Appendicular Skeleton  Arthrology |
| Week 4 | Axial Muscles  Review |
| Week 5 | Practical I (9/15) |
| Week 6 | Appendicular Muscles |
| Week 7 | Brain and Spinal Cord |
| Week 8 | Sheep brain dissection  Spinal nerves  Cranial Nerves  Special senses |
| Week 9 | No Lab (Study) |
| Week 10 | Practical II (10/20) |
| Week 11 | Blood cell morphology  Heart  Calf heart dissection |
| Week 12 | Vascular anatomy |
| Week 13 | Respiratory System  Digestive System |
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| Week 14 | Urinary System  Reproductive System |
| Week 15 | THANKSGIVING- NO LAB |
| Week 16 | Dead Week- TBA |
| Final week | Practical III TBA |