

# APPH/BIOL 3754

## Laboratory in Human Anatomy

### Georgia Institute of Technology

Instructor:	Linda Rosskopf	Thomas Abelew, PhD
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Office hours:	TBA	TBA
Class meets:	Lab: TBA 1 hours credit	Location:
Required Texts:	<u>Anatomy: A regional atlas of the human body</u> , 6 <sup>th</sup> edition, CD Clemente. Wolters Kluwer/Lippincott Williams and Wilkins, publisher, 2011. ISBN: 978-1-58255-889-9  <u>Principles of Human Anatomy</u> , GJ Tortora, MT Nielsen, 11 <sup>th</sup> Edition, John Wiley and Sons, publisher, 2009. ISBN-13 978-0-471-78931-4	
Prerequisites:	APPH/BIOL 3753 or concurrent enrollment	

**Course Description:** Laboratory in Human Anatomy builds on APPH/BIOL 3753 and provides a laboratory experience in human anatomy. Students will explore human structure through the use of high resolution models, specially prepared anatomical specimens and the dissection of selected mammalian organs.

**Course objectives:** Upon successful completion of the course, the student will be able to:

1. Identify the anatomical structures that comprise tissues, organs and systems of the human body.
2. Demonstrate a subset of laboratory material to fellow students, TA and/or to instructor.
3. Demonstrate safe and appropriate dissection technique during the dissection of mammalian tissue and organs.

<b>Evaluation:</b>	4 Practical exams	70%
	4 Quizzes	20%
	2 demonstrations	10%

**Note:** 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 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.

#### ACADEMIC HONOR CODE

***Cheating off of another person's test or quiz is unethical and unacceptable. Cheating off of anyone else's work is a direct violation of the GT Academic Honor Code, and will be dealt with accordingly.***

***Use of any previous semester course materials is allowed for this course; however, I remind you that while they may serve as examples for you, they are not guidelines for any tests, quizzes, or any other coursework that may be assigned during the semester.***

***I consider the following behaviors to be cheating:***

- \*using false excuse to delay taking test/quiz
- \*learning what is on a test from someone who has already taken it
- \*copying from another student on a test/quiz with or without their knowledge
- \*helping someone else cheat on a test/quiz
- \*using unauthorized notes on a test/quiz
- \*using unauthorized electronic device to obtain information during test/quiz
- \*working with others on an assignment when asked for individual work
- \*paraphrasing/copying from written or internet source without footnoting it
- \*fabricating/falsifying a bibliography
- \*turning in work copied from/done by another
- \*copying material almost word for word from a written source without citation
- \*obtaining paper from term paper mill
- \*fabricating or falsifying research data

List adapted from McCabe, Donald. "Cheating among college and university students: a North American Perspective," International Journal for Educational Integrity, 1.1 (2005).

***For any questions involving these or any other Academic Honor Code issues, please consult me or [www.honor.gatech.edu](http://www.honor.gatech.edu)***

<b><u>WEEK</u></b>	<b><u>Laboratory Topic</u></b>
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(will add date each semester)

1	Class Intro/Terminology Orientation to Human body Tissues
2	Tissues Bone Tissue Skeletal system
3	Skeletal system <i>Quiz 1</i> Joints
4	Joints/review <b>Practical # 1</b>
5	Skeletal muscle Skeletal muscle
6	Neural tissue Brain
7	Brain, Cranial nerves

Spinal cord, spinal nerves

8 Autonomic nervous system

**Practical # 2**

9 **Fall break—no class**

Endocrine system

10 Endocrine system

Cardiovascular(CV) system/heart

11 CV system—vessels

CV system—blood

12 CV system wrap up/review

**Practical # 3**

13 Respiratory system

Respiratory system/Urinary system

14 Urinary system

**T'giving Holiday—no class**

15 Urinary system

Reproductive system

16 Digestive system

Digestive system

Exam period **Practical # 4**