

# APPH/BIOL 3753

## Fundamentals of Anatomy

### Georgia Institute of Technology

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Office hours:	TBA	TBA
Class meets:	Lecture: T-Th 9:30 – 10:55am 3 hours credit	Location:
Required Texts:	<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	
Recommended:	<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	
Prerequisites:	BIOL 1520 or 1521 or CHEM 1211K or 1310	

Course 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 approach of study, and provides information on the connection of structure and function.

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

1. Define and properly apply appropriate anatomical terminology.
2. Describe the anatomical structures comprise tissues, organs and systems of the human body.
3. Describe the relevant interrelationships between organs and systems.
4. Describe the basic functions of the tissues, organs and systems.

<b>Evaluation:</b>	4 Lecture Exams	80%
	4 Quizzes	20%

**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)***

**Suggestions for getting the most from this class:**

1. Notes/slides will be posted on T-Square before class. Suggestion: print or download them for class and take additional notes during class.
2. Although class notes will be provided, you will need to read the text and study the illustrations in your book to fully understand the material. You are expected to read the chapter **before** class, using the notes to guide you to the material we will cover. Consider this pre-class reading homework.
3. Repetition is key to learning this material, so read/study the material daily. Even though you may not be assigned specific homework as follow-up to material covered in class, consider studying the material as your daily homework.

<b><u>WEEK</u></b>	<b><u>Lecture Topic</u></b>	<b><u>Chapter</u></b> in textbook
(will add date each semester)		
1	Class Intro/Terminology Orientation to Human body Tissues	1 4
2	Tissues Bone Tissue Skeletal system	4 6 7
3	Skeletal system Joints	7 8
4	Joints/review <b>Test 1</b>	8
5	Skeletal muscle Skeletal muscle	9, 10
6	Neural tissue Brain	11 13
7	Brain, Cranial nerves Spinal cord, spinal nerves	13 12
8	Autonomic nervous system <b>Test 2</b>	16
9	<b>Fall break—no class</b> Endocrine system	17, 18
10	Endocrine system Cardiovascular(CV) system/ heart	17, 18 20
11	CV system—vessels CV system—blood	21 19
12	CV system wrap up/review <b>Test 3</b>	19
13	Respiratory system Respiratory system/Urinary system	23
14	Urinary system	26

**T'giving Holiday—no class**

15	Urinary system	26
	Reproductive system	28
16	Digestive system	24
	Digestive system	

Exam period **Test 4**