

**University of Pittsburgh**  
**Department of Biological Sciences**  
**BIOSC 0041 Syllabus - Fall Term 2020 (2211)**

Course	Section	Course Title	Credits
BIOSC 0041	1	Anatomy for the Health Professions	3

---

<b>Class Time:</b>	9:00-9:50 am MWF
<b>Lecture Hall:</b>	A224 Langley Hall
<b>Instructor:</b>	Burhan Gharaibeh, PhD
<b>Department:</b>	Biological Sciences
<b>Contacting Dr. Gharaibeh:</b>	The best way to contact me, regardless of the University operating posture, is by emailing Burhan@pitt.edu or calling 412-624-7384. Voicemail is delivered to my inbox.
<b>Faculty Office No.:</b>	via Zoom
<b>Web page:</b>	<a href="http://www.biology.pitt.edu/person/burhan-gharaibeh">www.biology.pitt.edu/person/burhan-gharaibeh</a>
<b>Office Hours:</b>	Office hours will take place through Zoom on Monday from 1-3 pm, regardless of the University operating posture. Zoom links for office hours will be accessed through Canvas.

**Catalog Description:**

This lecture course is designed to meet anatomy pre-requisites for students who are applying for admission to health profession programs but does not count towards any of the majors in biological sciences. Students will explore human functional and clinical gross anatomy organized by body region. Imaging techniques, disease pathologies, and case studies are utilized to enhance and apply lecture information. Co-enrollment with BIOSC 0042 is required.

**Required Textbook:** Human Anatomy 5<sup>th</sup> or 6<sup>th</sup> Edition by Kenneth Saladin (ebook or e-textbook work). ISBN-13: 978-0073403700; ISBN-10: 0073403709. Publisher: McGraw-Hill. Book may be purchased from campus bookstore or other sources. McGraw-Hill Connect may be purchased separately by a credit card. See Canvas for links to McGraw Hill Connect.

**Course Delivery:**

Depending on University operating posture under covid-19 conditions, this course will be delivered in the following ways.

- *Under high and elevated risk, this course will be 100% online.*
- *Under guarded risk, this course will include in-classroom instruction where all of the students who chose to attend classes in person will be able to attend each class meeting.*
- *This course will include synchronous in-classroom instruction that remote students may participate in via Zoom and that will also be recorded for students who must be asynchronous.*
- *Course material will be provided on Canvas, regardless of the University operating posture.*
- *Any changes to modes of instruction or any course adjustments will be announced on Canvas as needed.*

**Required Software and Platforms:**

In this course we will be using the Internet to communicate with students attending remotely and of course, to connect to Canvas and McGraw-Hill Connect.

- *Sufficient bandwidth is critical at all times to be able to do well in this class.*
- *If connecting remotely, you need a good webcam and microphone.*
- *Canvas is the Learning Management System of the University of Pittsburgh.*
- *Synchronous course lectures will be recorded using Zoom and video will be housed on Panopto in Canvas.*

- *Course recordings will be placed on Panopto for Asynchronous use.*
- *Tests will be administered using Top Hat.*
- *You will be able to access all of these platforms for the course through Canvas.*

#### **Teaching Methods:**

Depending on University operating posture under covid-19 conditions, this course will be delivered in the following ways.

- *Under guarded risk, this course will include in-classroom instruction that remote students may participate in via Zoom and that will also be recorded.*
- *The classroom is large enough that all students may attend each class meeting.*
- *Under high and elevated risk, this course will be 100% online with Zoom meetings during class time that will be recorded.*
- *Changes to modes of instruction and course adjustments will be announced on Canvas as needed.*

#### **Course Content:**

- *This course includes lecture format and online resources obtained from McGraw-Hill and are connected through Canvas to the publisher's Connect website.*
- *The lectures will be provided in PowerPoint presentations that accompany the chapter discussions*
- *Assigned readings cover each eBook chapter and these will be given a grade using online LearnSmart on McGraw-Hill Connect.*
- *Assessment of the mastery of the material will be accomplished through 4 exams that are proctored remotely by TopHat. Exams are not open book. The questions are written by Dr. Gharaibeh for the purpose of the test and they are not found online. Answers will not be found on Chegg, Quizlet, etc. You are expected to adhere to high standards of integrity and be proctored by the system which does not allow tabs or multiple browsers and logins.*
- *Online quizzes are given almost weekly by Connect.*
- *The final examination will be given during finals period around Nov 23-30, 2020. The date will be confirmed during the semester.*

**Learning Outcomes:** This course was designed as the first of two semesters (human anatomy, followed by physiology) with the following learning outcomes in mind. By the end of this semester, a successful student should:

1. Be able to describe a person in anatomical position, explain the purpose of the anatomical position terminology and language associated with anatomy.
2. Be able to identify human organs and tissue types and list their functions.
3. Know the proper use of the microscope to investigate anatomical or histological structures
4. Understand how anatomical structures interact in the human body.
5. Be able to identify human structures and basic pathologies using common references.
6. Be able to communicate with the instructor and peers in an effective manner using anatomical terminology and technical language used in biomedical fields.

#### **Course Policies:**

1. **Assessment:** Student success will be evaluated based on retention of material, participation in class discussion, and integration of their knowledge to currently published relevant papers.
2. **Cell Phones:** Please turn your cell phones off before class and remove all ear buds. If your phone rings or I see you texting, I will ask you to leave the lecture hall. If you expect an important call, please make sure you excuse yourself before phone rings.
3. **Conduct:** Students, who in the opinion of the instructor, exhibit unprofessional, inappropriate and/or disruptive behavior in the classroom, will be dismissed from the class or lab. Re-admission to class will only occur upon the written recommendation of the Department. Cell phones should be turned off during class. Any form of cheating in the exam; copying, or collaboration in the term paper will be dealt with seriously. A

student, who cheats will receive a grade of 0 for that exam. Any repeat episode of cheating will result in an F grade for the course. Please read the Academic Integrity Code in the University guidelines on academic integrity.

4. **E-Mail Communication:** Each student is issued a University e-mail address (username@pitt.edu) upon admittance. This e-mail address may be used by the University for official communication with students. Students are expected to read e-mail sent to this account on a regular basis. Failure to read and react to university communications in a timely manner does not absolve the student from knowing and complying with the content of the communications. The University provides an e-mail forwarding service that allows students to read their e-mail via other service providers (e.g., Hotmail, AOL, Yahoo). Students that choose to forward their e-mail from their pitt.edu address to another address do so at their own risk. If e-mail is lost as a result of forwarding, it does not absolve the student from responding to official communications sent to their University e-mail address. To forward e-mail sent to your university account, go to <http://accounts.pitt.edu>, log into your account, click on Edit Forwarding Addresses, and follow the instructions on the page. Be sure to log out of your account when you have finished. (For the full E-mail Communication Policy, go to [https://www.policy.pitt.edu/sites/default/files/Policies/01-Administrative and Organization/Policy AO 15.pdf](https://www.policy.pitt.edu/sites/default/files/Policies/01-Administrative%20and%20Organization/Policy_AO_15.pdf))

## 5. Academic Policies

### Academic Integrity

- a) Students in this course will be expected to comply with the [University of Pittsburgh's Policy on Academic Integrity](#). Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.
- b) To learn more about Academic Integrity, visit the [Academic Integrity Guide](#) for an overview of the topic. For hands-on practice, complete the [Understanding and Avoiding Plagiarism tutorial](#).

### Turnitin

- c) Students agree that by taking this course all required papers will be subject to submission for textual similarity review to Turnitin (via Canvas) for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin reference database solely for the purpose of detecting plagiarism of such papers. Use of Turnitin page service is subject to the Usage Policy and Privacy Pledge posted on the Turnitin site.

### Disability Services

- d) If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and [Disability Resources and Services](#) (DRS), 140 William Pitt Union, (412) 648-7890, [drsrecep@pitt.edu](mailto:drsrecep@pitt.edu), (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

### Health and Safety Statement

- e) Our class is in A224 Langley. **You will need to enter through the Langley Lobby**, and you will need to scan your Pitt ID at the concierge station and be wearing a mask in order to enter the building. You will enter the classroom from the lobby and then **you'll exit the classroom from the door at the back of the room**.
- f) This semester, we continue to face unique challenges regarding COVID risk mitigation safety protocols. In order to participate in the face-to-face BIOSC 0041 lecture, students must wear a mask (face covering) that completely covers the nose and mouth at all times while in A224.

- g) If you forget to bring a mask when coming to class, we have disposable masks available for students to use in the lobby and probably in the classroom near the white board.
- h) The University requires that everyone wears a mask in class. This issue is University policy and I follow campus directive very carefully. I know it might be inconvenient, but the University requires that we all wear masks to stay safe.
- i) **If you aren't willing to wear a mask, you will receive a grading penalty for not following safety protocols and I will need to contact the Student Conduct office.** It is a lot of paperwork and permanent records. There is no need for that. Just wear a mask.
- j) Please visit [coronavirus.pitt.edu](https://coronavirus.pitt.edu) and check your Pitt email for updates before each class.

### Accessibility

- k) The Canvas LMS platform was built using the most modern HTML and CSS technologies, and is committed to W3C's Web Accessibility Initiative and [Section 508](#) guidelines. Specific details regarding individual [feature compliance](#) are documented and updated regularly.

### Diversity and Inclusion

- l) The University of Pittsburgh does not tolerate any form of discrimination, harassment, or retaliation based on disability, race, color, religion, national origin, ancestry, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity or other factors as stated in the University's Title IX policy. The University is committed to taking prompt action to end a hostile environment that interferes with the University's mission. For more information about policies, procedures, and practices, see: <https://www.diversity.pitt.edu/civil-rights-title-ix-compliance/policies-procedures-and-practices>.
- m) I ask that everyone in the class strive to help ensure that other members of this class can learn in a supportive and respectful environment. If there are instances of the aforementioned issues, please contact the Title IX Coordinator, by calling 412-648-7860, or e-mailing [titleixcoordinator@pitt.edu](mailto:titleixcoordinator@pitt.edu). Reports can also be filed online: <https://www.diversity.pitt.edu/make-report/report-form>. You may also choose to report this to a faculty/staff member; they are required to communicate this to the University's Office of Diversity and Inclusion. If you wish to maintain complete confidentiality, you may also contact the University Counseling Center (412-648-7930).

### Letters of Recommendations:

I am happy to write letters of recommendation for students who meet the following criteria:

- n) You must have **fully completed at least 1** class with me so I would have adequate sense of your academic abilities, consistency across classes and other aspects such as self-image, empathy, critical thinking, analytical abilities, conflict resolution, team work, leadership, etc.
- o) You should have earned a grade of an A in my classes. **A high grade in my class makes for a stronger letter.** If you have earned a grade less than an A, it is better to ask for a letter from another professor in whose class you especially excelled.
- p) I **must have a sense of you as a person** beyond the letter grade that appears in my records. To write a strong and effective letter, I need to be able to describe you qualitatively.
- q) I will only write recommendation letters when you have signed a waiver of your right to examine the letter. **My letters are confidential documents** whose destination is to a relevant third party that I provide an honest accounting of your academic abilities and your promise for future success. Besides letters checked waiver box gives the letter more weight.

**Course evaluation:**

Exams 1,2,3	@ 150	450 pts
Final Exam (includes 25 Clinical Questions)	@ 200	200
12 Online Quizzes	@ 15	180 pts
12 Online SmartBook 2.0 Assessments	@ 10	120 pts
TopHat grade: Attendance, pop quizzes, and mask compliance	@ 50	50 pts
<b>Total</b>		<b>1000 pts =100%</b>

**Make-up:** Make-up exams will be not administered without a formal excuse and in cases of illness or personal circumstances). Make up exams are shorter and may contain essay questions.

**Grading Scale:**

A-	90-92	A	93-96	A+	97-100
B-	80-82	B	83-86	B+	87-89
C-	70-72	C	73-76	C+	77-79
D-	60-62	D	63-66	D+	67-69
F	0-59				

ALL Dates are **tentative depending on the flow of the lectures** for the assigned chapters.  
 The goal is to deliver **complete content** before testing on the material.

Week	Date	Topic	Chapter #	LearnSmart Assignment*	Connect Quizzes**
1	8/27	Introduction: The study of human anatomy	1		
	8/30	Histology- The study of tissues	3		
	9/1	Integumentary System (Skin)	5	1	1
2	9/3	Continue- Skin			
	9/6	<b>Labor Day</b>			
	9/8	Skeletal system I: Bone Tissue	6	2	2
	9/10	Continue- Bone			
3	9/13	Skeletal system II: Axial skeletal system	7		
	9/15	Skeletal system III: Appendicular skeletal system	8	3	3
	9/17	Continue- Appendicular			
4	9/20	Skeletal system IV: Joints	9		
	9/22	Continue- Joints			
	9/24	<b>First Exam (Histology / Skin / Bones)</b>			
5	9/27	Muscular system I: Introduction	10	4	4
	9/29	Muscular system II: Axial muscle	11		
	10/1	Muscular system III: Appendicular muscles	12		
6	10/4	Nervous system I: Introduction	13		
	10/6	Nervous system II: Spinal cord and spinal nerves	14	5	5
	10/8	Nervous system III: Brain	15		
7	10/11	Nervous system III: Cranial nerves			
	10/13	Nervous system IV: Autonomic nervous system	16		
	10/15	Continue- Autonomic nervous system		6	6
8	10/18	<b>Fall break!</b>			
	10/20	Nervous system V: Sense organs	17		
	10/22	Continue- Sense organs			
	10/25	<b>Second Exam (Muscle / Nerves / Brain)</b>			
9	10/27	Circulatory system I: Blood	19		
	10/29	Continue- Blood		7	7
10	11/1	Circulatory system II: Heart	20		
	11/3	Continue- Heart			
	11/5	Circulatory system III: Vessels	21	8	8
11	11/8	Circulatory system III: Vessels			
	11/10	Lymphatic system and Immunity	22	9	9
	11/12	Continue- Immunity			
	11/15	<b>Third Exam (Blood / Heart / Arteries and Veins)</b>			
12	11/17	Respiratory system	23		
	11/19	Respiratory system cont.		10	10
	11/22	<b>Thanksgiving (Nov 21 – 28)</b>			
	11/29	Digestive system	24		
13	12/1	Digestive system cont.		11	11
	12/3	Urinary system	25	12	12
	12/6	Urinary system cont.			
15	12/8	Reproductive system female			
	12/10	Reproductive system males	26		
16	12/13	<b>Fourth Exam-Final (Respiratory/ Digestive/ Urinary/ Reproductive)</b>			

\*; \*\* Dates and Deadlines for Quizzes and Online assignments might change sometimes based on material covered in lecture.