

BMS 107: Human Anatomy

Fall 2023 - Hybrid

Professor: Peter Aguilar

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Office Hours: Tues 1-3pm; Th 1-3pm (Zoom, by appt)

Lecture:

Online - Asynchronous

Lab Sections:

See class schedule

Welcome to BMS 107, Human Anatomy! This course provides a comprehensive analysis of the structures of the human body with specific emphasis on individual body systems. An analysis of the gross anatomical and histological structures of each of these systems will be provided. The course includes both a lecture and laboratory component and you must receive a passing grade in both in order to pass the class as a whole. Please realize that this is a very demanding course that requires a significant amount of dedication and effort on your part – it is the first step for many of you toward your career in the allied health fields. There are many resources at your disposal for this course, and I recommend you use them all.

This class requires a tremendous amount of time and dedication. This becomes especially as the lecture component of this course will be administered in an online format. I recommend you spend a minimum of 20-30+ hours per week studying outside of class JUST FOR THIS COURSE. If you feel you are unable to dedicate that amount of time, you should reconsider taking this class at this time. If you do not have a background in biology or the sciences, I also recommend that you explore the option of BMS 100 (The Human Body) prior to taking this course. BMS 100 provides an exploration into anatomy and physiology and serves as an optional prerequisite for this course.

I am dedicated to providing an inclusive and welcoming environment in my classes where diverse perspectives, backgrounds, and experiences will be valued. It is always my intent that students' learning needs both within, and outside of the course, will be prioritized. If, at any point, you feel your experiences within or outside of class are negatively impacting your performance and participation in the course, please contact me to discuss strategies to rectify these issues. All communication will be confidential, and I will serve as an advocate for you in these matters if/when involvement of other campus personnel may be necessary.

Student Learning Outcomes: Upon course completion the successful student will be able to:

Identify anatomical structures using specimens, models, and drawings.

Apply anatomical knowledge by demonstrating the functional relationships of structures within each organ system.

Integrate anatomical knowledge with modern biomedical practices.

Explain the development and interrelationships among the human organ systems.

Required Materials:

1. SBCC Canvas Account
2. Lab Manual: available on Canvas for download (use for every lab!)
3. Tortora, G.J. & Nielsen, M.T. (2014). *Principles of Human Anatomy* (15th Ed.). Wiley. ISBN: 9781119662839**

**This title includes the Atlas of Human Anatomy and access to the Wiley Plus online resources (NOT required for course) when purchased in the SBCC bookstore.

**You may also use the 12th edition of this text (or up)

Tutors: Each lab will have a tutor present to help guide you through the laboratory and help with any questions you may have while in lab. In addition, tutors will hold weekly review sessions. These tutors performed extremely well in this course and are an excellent resource for you. However, please realize that the tutors are also SBCC students and, although very knowledgeable, they may not have all the answers. I am considered the final authority for the course, so please be gentle to the tutors!!

Important Dates:

Last day to ADD classes – September 9th

Last day to DROP without a “W” and for full refund – September 10th

Last day to DROP with a “W” – October 27th

Please note: it is your responsibility to drop the course. I am required to give you a grade if you do not drop by October 27th. Please let me know if you are dropping the course.

Lecture Exams: There will be 3 lecture exams given in the course – 2 midterms and a final. Exam 2 and the final are cumulative and will test your knowledge on lecture material given throughout the course. All exams will be administered via Proctorio testing software on Canvas. The **exams will be available for a 24-hour period on Thursdays** (see schedule below). **It is YOUR RESPONSIBILITY to ensure that you have all software and hardware requirements for Proctorio established well in advance of tests and quizzes, (I am happy to help you with this if done in advance).** You will not be allowed to make up any exam/quiz due to technical issues that should have been resolved prior to taking exams/quizzes.

Warm-Up Quizzes (WUQs): In order to “warm-up your brains” for the exams we will have 6 warm-up quizzes (2 before each exam). These quizzes will be similar in format to your exams. The WUQs will be administered on Canvas via Proctorio. The **WUQs will be available for a 24-hour period on Thursdays** (see schedule below). You will have 30 minutes and 1 attempt at each WUQ. Although we will have 6 WUQs total, only 5 will be counted toward your final grade and the lowest score will be dropped. NO MAKE-UPS will be allowed for WUQs.

Lecture Homework: There are 15 homework assignments for lecture (1 per week), however, only 13 will be counted toward your final grade. These assignments will be completed using the Canvas course website. The homework will not have a time limit (but is limited to 2 attempts!) and is designed to provide you with a significant review/preview of the lecture material throughout the term. Please be aware that **lecture homework may cover material prior to being addressed in lecture.** *You are responsible for completing the lecture homework before the due date – NO LATE ASSIGNMENTS WILL BE ACCEPTED – this is why only 13 are counted toward your grade.* I recommend you attempt the homework well before the due date in case you have any technical difficulties. **SEE DUE DATES ON SCHEDULE.**

Lab Quizzes: Lab quizzes will be given at the BEGINNING of each lab section and each quiz will be cumulative in nature. **If you are late, you will not have the opportunity to take the quiz** and must wait until all students have completed the quiz before you are allowed to enter the lab – don’t be late!! We will have 11 lab quizzes, with the lowest quiz score dropped. If you miss a lab quiz for **any reason**, this will be counted as your dropped score. In addition, you will have the opportunity to earn **1.5 bonus points** toward your quiz grades at the end of your lab section. This extra credit is available **only** to students in attendance (and who have been present for the entirety of the lab), and will cover material from **that day’s** lab section. Please note that lab quizzes are graded for accuracy, which includes proper spelling (see ‘Study Tips and Grading Information’ in lab manual for more info).

Lab Homework: There are 11 homework assignments for laboratory, however, only 9 will be counted toward your final grade. These assignments will be completed using Canvas. The homework will not have a time limit (but is **limited to 2 attempts!**) and is designed to provide you with a significant review of the lab material throughout the term. *You are responsible for completing the lab homework before the due date – NO LATE ASSIGNMENTS WILL BE ACCEPTED – this is why only 9 are counted toward your grade.* I recommend you attempt the homework well before the due date in case you have any technical difficulties.

Lab Final: There will be a cumulative lab final given during the last week of classes. **NO MAKE-UPS** will be allowed for this exam under any circumstances – if you believe you cannot make the lab final, you should reconsider taking the course at this time.

Bio video assignment: For your first assignment, you should post a short (1-2 minute) video of yourself on canvas (only I will have access to this video). For your video bio, please tell me a bit about you – where you’re from, your academic/career goals, and/or your passions. To upload a video on canvas, simply use the assignment link provided. This **assignment must be completed by the 3rd Friday of class.** **If you have any obstacles to posting your video, please contact me to pursue another option. NO LATE BIOS ACCEPTED.**

Grading: Here is the breakdown of points for each grading component:

1. Bio Video	5 points
2. Lab Quizzes (11 @ 15pts, lowest dropped)	150 points
3. Lab Homework (11 @ 5 points, 9 counted)	45 points
4. Lab Final	50 points
5. Lecture Homework (15 @ 5pts, 13 counted)	65 points
6. Warm Up Quizzes (6 @ 15pts, lowest dropped)	75 points
7. Exam 1	100 points
8. Exam 2 (cumulative)	100 points
9. Final Exam (cumulative)	<u>135 points</u>

TOTAL ~ 725 points

Grading Scale:

100-97% = A+
96.5-93% = A
92.5-90% = A-
89.5-87% = B+
86.5-83% = B
82.5-80% = B-

79.5-77% = C+
76.5-70% = C
69.5-67% = D+
66.5-63% = D
62.5-60% = D-
59.5% and below = F

Make-Up Policy: No make-ups will be allowed for quizzes/exams except in cases of death/illness of a family member, personal illness, or other exceptional circumstances. **Written medical documentation must be provided in order to obtain any alternate scheduling.** If a make-up is granted, you must complete the exam/quiz within 1 week of the original date. In addition, the exam format may be altered (e.g. essay instead of multiple choice). Normal medical (or other) appointments or vacation plans will not qualify as excused absences, so do not schedule anything that will conflict with the course schedule. If personal emergencies arise, it is your responsibility to contact me, or personnel in the Biology Office, **BEFORE** missing an exam/quiz, and make-ups will be granted only with my consent. **There are no 'online' alternatives to missed lab quizzes as the lab portion of this course is 'in-person.'**

Extra Credit: No extra credit will be given for this course. However, you will find that there are several opportunities to earn extra points on quizzes and exams.

Accommodations for Students with Disabilities:

Disabled Student Programs and Services (DSPS) coordinates all academic accommodations for students with documented disabilities at Santa Barbara City College. If you have, or think you might have, a disability that impacts your educational experience in this class please contact DSPS to determine your eligibility for accommodations. DSPS is located in the Student Services (SS) Building, Room 162. Their phone number is [805-730-4164](tel:805-730-4164). If you are already registered with DSPS please submit your accommodation requests via the **'DSPS Online Services Student Portal'** as soon as possible. Once submitted and confirmed please visit with me about your specific accommodations. **Please complete this process in a timely manner to allow adequate time to provide accommodation.**

SEXUAL MISCONDUCT/TITLE IX:

Sexual Misconduct and gender discrimination are not tolerated at SBCC. Title IX is the law that prohibits this kind of behavior. Please contact our Title IX Coordinator, Linda Esparza Dozer, if you have questions, or concerns about an incident, our reporting procedures, resources available to survivors, or if you just want to talk. Contact Linda at lmesparza@pipeline.sbcc.edu, 805.730.4303, or in A122. More information is also available by looking at one of the Sexual Misconduct/Title IX posters that have been posted campus wide.

Class Conduct and Behavior Guidelines

PROCTORIO RULES – When completing quizzes and exams, we will use the proctoring service known as Proctorio. It's imperative that you follow these rules and adhere to the Proctorio guidelines if you hope to receive credit for your work:

- You are not allowed to use a phone, the internet, or any other materials during a quiz/exam. Use of any materials during testing will result in a score of zero and other potential disciplinary actions.
- **Have all Proctorio requirements set up before you take an exam/quiz.** By taking the *'Proctorio Practice Quiz'* prior to taking an exam/quiz, you can easily ensure all settings are working. If you need technical assistance, or require hardware/software, this must be taken care of well in advance of our first quiz. See *'Guidelines for Proctorio Testing'* on Canvas for more information on how to get set up and where to find access to equipment if needed.
- **Make sure your eyes are always visible to your webcam.** If I cannot see your eyes, I have to assume you are cheating and unfortunately you will receive a zero for your work. Additionally, you will be required to scan the entire room (2-3 times) when taking quizzes and exams, and **you must show your desk space, keyboard, and the entire room.** If an improper scan is performed, I will assume you are cheating.
- **Make sure you are in a well-light room.** Again, visibility issues may result in loss of points/rejection of your submissions.
- **You MAY NOT take exams/quizzes on the same network as another student.** If you must take the exam on the same network, you MUST obtain special permission from me at the start of the semester. If you do

not obtain permission from me regarding this issue, I will assume you are cheating and any student involved will receive a score of ZERO on their exam/quiz.

- **Cheating** – not only will cheaters be dealt the harshest punishment possible (by myself and the college administration), anyone found to be aiding others in cheating will receive the same punishment. If you believe someone may be cheating, please alert me right away (I will maintain confidentiality) so I can provide the appropriate intervention immediately. I take cheating seriously as it negatively affects me, and most importantly, my students. As all lecture quizzes and exams will be administered via Proctorio, if I suspect cheating based on the Proctorio report, you will not receive credit for the quiz/exam and you may also be referred to the Dean of Student Services for further disciplinary action. I have caught MANY cheaters in the past who all ultimately failed the course – don't try it, it's just not worth it!

Other Classroom Policies:

- **Do not interrupt or talk over me during lecture/laboratory.** If you disrupt me/class in any way you will first be given a verbal warning by name. The second time you disrupt class, you will be called out by name and asked to leave the class. If you continue to disrupt class, you will be asked to leave class and will not be allowed to return until you meet with the Dean of Educational Programs and myself and meet all stipulations required for return.
- **Rudeness** – if you have a question, raise your hand; if you have an issue, discuss this with me in private; blurting out questions or complaints will not be tolerated. Also, please refer to me if other students are being disruptive during class and adversely affecting your learning experience.
- **Conflicts between students are unacceptable** – if you can't work together, you may be asked to leave the class and must meet with me (and likely the Dean of Educational Programs) before you are allowed to return (if at all).
- **Do not email with questions that can easily be answered by looking at the syllabus or Canvas** – I will not return such emails. In addition, all communication via email should be done through your SBCC email address only. This will ensure YOUR privacy. I will not respond to emails from other email accounts. Also, if you choose not to use your pipeline email account, you must set up your SBCC account to forward to your other email account(s). It is YOUR responsibility to check your email on a regular-basis for class announcements.
- **Cell Phones:** Cell phones are never permitted in the laboratory classroom (EBS 312) or the cadaver lab (EBS 311) at any time (see below for more information). If you violate this policy, I reserve the right to confiscate your phone (or laptop/tablet). You may also be subject to additional consequences (see below).

Cadaver Lab Rules: As a part of the *Willed-Body Program*, all of our human specimens have been donated with the expectation that we will maintain their total anonymity. It is imperative we treat the cadavers and specimens with the highest measure of respect – these donations have been made to facilitate your ability to learn and our ability to teach. While in the cadaver lab or associated classroom (EBS 312), you must follow the regulations below at all times. Failure to do so may result in expulsion from the class and possible criminal prosecution.

1. NO CELL PHONES, LAPTOPS, OR TABLET COMPUTERS IN THE CADAVER LAB/EBS 312
2. NO CAMERAS/PHOTOGRAPHIC DEVICES IN THE CADAVER LAB/EBS 312
3. PLEASE BE VERY GENTLE WITH THE CADAVERS/SPECIMENS, DELICATE STRUCTURES CAN BE DAMAGED IF CARE IS NOT TAKEN.

THIS IS NOT HIGH SCHOOL! If you cannot handle sitting through lectures and/or labs without breaking any of the guidelines listed above, you are not ready for this course and you should pursue other options.

Quick Notes:

1. Although you receive one combined course grade (i.e., lecture and lab), if you fail the lab OR lecture portion, you will fail the course.
2. If you have questions, please refer to this syllabus (and/or Canvas) first. Often, the information you are looking for is already available to you.
3. The final exam is a college requirement – you cannot pass the course without taking the final exam. Make sure you coordinate your schedule around the final now, as no special accommodations will be made.

BMS 107 (Lecture and Lab) Schedule: Subject to Change

DATE: (week of)	LECTURE TOPIC	TEXT CHPS	Lecture HW*	LABORATORY	Lab HW**	LAB QUIZ
8/28	Intro; The Cell	1, 2, 3	9/3 (1)	Terminology; Upper App Skeleton	----	----
9/4	The Cell (cont.); Tissue	5	9/10 (2)	Lower App Skeleton; Axial Skeleton I	9/5 (1)	LAB QUIZ 1 (with terms)
9/11	WUQ #1 (9/14) Tissue (cont.); Integument	6	----	Axial Skeleton I/II	9/12 (2)	LAB QUIZ 2
9/18	Integument; Bone Tissue	9	9/24 (3)	Axial Muscles	9/19 (3)	LAB QUIZ 3
9/25	WUQ #2 (9/28) Joints	10	10/1 (4)	Upper App. Muscles I	9/26 (4)	LAB QUIZ 4
10/2	EXAM 1 (10/5) Muscle Tissue	16, 17	----	Upper App Muscles II	----	LAB QUIZ 5
10/9	Muscle Tissue (cont.); Nervous Tissue	17	10/15 (5 & 6)	Heart	10/10 (5)	LAB QUIZ 6
10/16	WUQ #3 (10/19) Nervous Tissue (cont.); CNS – Spinal Cord	18	10/22 (7)	Blood Vessels	10/17 (6)	LAB QUIZ 7
10/23	CNS – Brain	19, 22	10/29 (8)	Nervous System	10/24 (7)	LAB QUIZ 8
10/30	WUQ #4 (11/2) Autonomic Nervous Sys; Endocrine System	12	----	Lower App Muscles I	10/31 (8)	LAB QUIZ 9
11/6	EXAM 2 (11/9) CV Systems: Blood	13	11/12 (9)	NO LAB – Study for Exam 2	----	----
11/13	CV Systems: Heart; CV Systems: Vessels	14, 23	11/19 (10 & 11)	Lower App Muscles II & Respiratory & Digestive	----	LAB QUIZ 10
11/20	CV Systems: Vessels (cont.); Respiratory Sys	24, 25	11/26 (12)	TBD	11/21 (9)	----
11/27	WUQ #5 (11/30) Digestive Sys; Urinary Sys (study on own)	26	12/3 (13)	Urinary & Reproductive	11/28 (10)	LAB QUIZ 11
12/4	WUQ #6 (12/7) Reproductive Sys	REVIEW	12/10 (14 & 15)	LAB FINAL (During your regular lab time)	12/5 (11)	----
12/11	FINAL EXAM (cumulative) Thursday 12/14					

*All lab homework assignments will be due on Tuesdays at 11:59pm and accessible for a 1-week period.

All lecture homework assignments will be due on **Sundays at 11:59pm and accessible for a 1-week period.

NO LATE ONLINE ASSIGNMENTS WILL BE ACCEPTED – IT IS YOUR RESPONSIBILITY TO USE A RELIABLE COMPUTER WITH A WORKING INTERNET CONNECTION.