

**INSTRUCTOR INFORMATION**

LEC/LAB INSTRUCTOR: PATTY SAITO

E-MAIL: [pesaito@pipeline.sbcc.edu](mailto:pesaito@pipeline.sbcc.edu)

Lecture: Tuesdays &amp; Thursdays 11:10 am-12:30 pm

Lecture Room: EBS 301

Lab Room: EBS 312

OFFICE HR: by Appt. (Zoom.us)

**INTRODUCTION**

Welcome to Biomedical Science 107 and the study of the structures that make up your own body! Human Anatomy is a course which emphasizes the variety of structures and adaptations that make up the human body. This is a 4 unit course designed primarily for students who are interested in a career in the health sciences. This course is a prerequisite for many schools for nursing, physical therapy, physician assistant, pre-medical studies, and physical education. This course also satisfies the SBCC General Education Requirement in the Natural Sciences. This course is also transferable to both the UC and CSU as a laboratory science course. This is a very challenging course that will require a significant amount of your time and effort both during and outside of class. **PLAN TO SPEND MANY, MANY HOURS OUTSIDE OF CLASS EACH WEEK** in studying, reading, preparing for this course. If you are simply looking to fulfill a general education requirement, Biomedical Science 100 will better serve you as an alternate course. Biomedical Science 100 is a general education introductory course to the human body that is also transferable to the UC and CSU as a general education laboratory science. In order to pass this course, you must pass both the laboratory and lecture portions of this course.

**STUDENT LEARNING OUTCOMES** for this course include the following:

**Identification** - Demonstrate anatomical knowledge using specimens, models, and drawings.

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

**Integration** - Integrate anatomical knowledge with modern biomedical practices.

**Explanation** - Explain the development and interrelationships among the human organ systems.

**TEXT**

Required Text: PRINCIPLES OF HUMAN ANATOMY by Tortora and Nielsen, 13<sup>th</sup> or 14<sup>th</sup> ed. There is a nice bundled deal at the bookstore that includes an Atlas and access to the Wiley publishers website. If you already have a human anatomy text, you could probably use that instead. Most anatomy textbooks will work fine with the course, however, you will need to find the corresponding reading assignments.

**LAB MANUAL**

Required Lab Manual: BMS 107 Human Anatomy Lab Manual by Patty Saito. This is a custom lab manual that can either be purchased at the SBCC bookstore or will be downloadable within Canvas. You must have a hard copy of the lab when you come to lab every week. You will not be allowed to use electronic devices in the lab.

**LABORATORY**

All Labs will be on campus. Check the schedule weekly to find the topic - come prepared to work!

**GRADING**

Discussion (Biography)	5 pts
Syllabus Quiz	5 pts
Lecture Exams	
Exam 1	100 pts
Exam 2	100 pts
Exam 3	100 pts
Lecture Final Exam	125 pts
Laboratory Quizzes (weekly): 12 @ 20 pts	240 pts
Laboratory Final Exam	50 pts
Chapter Lecture Quizzes: 21 @ 5 pts each	105 pts
Case Study: 1 @ 15 pts each	15 pts
Bioethical Discussion: 1 @ 15 pts each	15 pts
Study Guide Answers: 4 @ 15 pts each	60 pts
Practice Lecture Final Exam	5 pts
<b>TOTAL:</b>	<b>925 pts</b>

**GRADING SCALE**

<b>A+</b>	<b>100%</b>	<b>to 97%</b>
<b>A</b>	<b>96%</b>	<b>to 93%</b>
<b>A-</b>	<b>92%</b>	<b>to 90%</b>
<b>B+</b>	<b>89%</b>	<b>to 87%</b>
<b>B</b>	<b>86%</b>	<b>to 83%</b>
<b>B-</b>	<b>82%</b>	<b>to 80%</b>
<b>C+</b>	<b>79%</b>	<b>to 77%</b>
<b>C</b>	<b>76%</b>	<b>to 70%</b>
<b>D+</b>	<b>69%</b>	<b>to 67%</b>
<b>D</b>	<b>66%</b>	<b>to 63%</b>
<b>D-</b>	<b>62%</b>	<b>to 60%</b>
<b>F</b>	<b>59%</b>	<b>to 0%</b>

**ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES.**

Disability Services and Programs for Students (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, contact DSPS to determine your eligibility for accommodations. DSPS is located in the Student Services (SS) Building, Room 160. Their phone number is 805-730-4164.

If you have already registered with DSPS, please submit your accommodation requests via the *'DSPS Online Services Student Portal'* as soon as possible. This needs to be done each semester. *If you have any questions or concerns about your accommodations, please make an appointment with a DSPS Counselor.* Complete this process in a timely manner to allow adequate time to provide accommodations.

**EXAMS**

The exams will consist of a varied combination of multiple choice, true/false, fill-in-the-blank, sentence completion, matching, short answer, essay, and diagram questions. These will be administered on campus during normal lecture days/times.

1. All Exams will have T/F, Multiple Choice, Matching components and a written component.
2. Lecture exams will NOT be cumulative (except for the final exam).
3. Lecture exams may cover information from both lecture and lab as indicated in lecture.
4. The final exam will have a 25 point cumulative and comprehensive component and will be taken during finals week as per SBCC Finals Schedule.
5. You will receive one combined grade for both lecture and lab.
6. None of the exams will be dropped. All exam scores will count toward your final grade.

**LAB QUIZZES**

The lab quizzes will be on campus and cover material discussed and studied in the lab.

1. There will be a Lab quiz every week. These are CUMULATIVE and typically take 30 minutes to complete. They are administered at the beginning of class so do not be late.
2. You will take 13 lab quizzes, but only your highest 12 lab quiz scores will be used to calculate your grade (I will drop your lowest lab quiz score).
3. There will be a cumulative lab final exam worth 50 points (this cannot be dropped).
4. There are NO lab quiz make-ups! If you miss a lab for illness or a valid reason, you may be allowed to complete only one lab quiz online. After this, a missed lab quiz will result in a "0."
5. Do not dismiss the lab as it accounts for 310 points and 32% of your grade.

**LECTURE CHAPTER QUIZZES**

There will be lecture chapter quizzes given in lecture each week. They will be administered during class after completing the lectures on the various chapters. These are open notes so it is important to attend lecture and take good notes! I will drop your lowest lecture quiz score. If illness or a valid reason prevents you from attending lecture on campus, I will allow one missed lecture quiz to be made up online. After this, any missed lecture quiz will be marked as zero in the gradebook. Come to lecture - it is important.

**EXTRA CREDIT**

Don't expect much here – do the work!

**ASSIGNMENTS**

You will need to complete a Case Study (15 points). You will need to read the case then answer the questions provided using the rubric provided below. You must turn these online as a Word or pdf document – DO NOT email them to me!

	2 points	5 points	8 points	12 points	15 points
Questions answered correctly	1 question answered correctly	1/3 questions answered correctly	1/2 questions answered correctly	2/3 questions answered correctly	all questions answered correctly

**BIOETHICAL DISCUSSION**

You will have the opportunity to respond to a bioethical topic. This is a discussion topic that is worth 15 points. For your response, you must answer the question, provide 2 factual reasons for your view as well as respond to a classmate’s post

Bioethical Response Rubric

	5 points	10 points	15 points
1. Question answered adequately	1 of the 3 completed	2 of the 3 completed	3 of the 3 completed
2. Two Facts			
3. Respond to Classmate			

**WITHDRAWAL FROM THE COURSE**

If you stop participating in the course, **it is your responsibility to officially withdraw** from the course through admissions. Below are some important dates:

- Sept 9            Last day to drop with refund and without “W”
- Sept 10        Last day to drop without a refund and without a “W”
- Oct 27         Last day to drop a semester-length class with a “W”
- Dec 8           Last day to apply for pass/no pass for a semester-length class

**CHEATING**

From SBCC Standards of Student Conduct: “We at Santa Barbara City College , as members of an institution of higher education, believe that our special contribution to the achievement of the ideal of social justice is to provide a setting in which ideas may be freely explored and objectively examined. A student enrolling at Santa Barbara City College assumes an obligation to act in a manner compatible with the college's functions as an educational institution.”

What does this look like for you? While I understand that from time to time, the pressures of life may tempt you to cut corners, to view your notes during ‘closed notes’ quizzes and exams or to just not behave honestly, this is never a good idea. Before you get to that point, please reach out to me so we can discuss how to move forward in the class while maintaining your dignity. The pride and feelings of accomplishment that will come from submitting your own work is worth the effort, I guarantee it.

[See the SBCC Academic Integrity policy](#)

**LABORATORY SPECIMENS AND CADAVERS**

The lab will make use of many models, charts, and human organ specimens as well as human cadavers. **Copying or downloading pictures/videos of these human specimens are prohibited and protected by federal privacy laws.** Any student not complying with this will be immediately dropped from the course and perhaps be subjected to prosecution. Electronic devices, including cell phones, tablets and laptops are not allowed in the lab.

**TUTORS**

Tutors are a vital part of success in this course. I require that all students attend at least 1 lecture and 1 lab tutoring session but strongly suggest that you attend every week.

**LATE WORK POLICY**

Late work will not be accepted except for extreme situations (hospitalizations, death in the family, etc.). Any late quiz or assignment will automatically become a 0 in the gradebook. You will be allowed to make up 1 lecture quiz and 1 lab quiz ONLINE for illness/emergencies. After this, any missed assignments due to illness/emergencies will become zeros in the gradebook. Stay healthy!

## SUGGESTED LECTURE/LAB SCHEDULE

Lecture Dates	LECTURE TOPIC	CHAP.	ASSIGNMENTS DUE	LAB DATES	LABORATORY	LAB QUIZ
WEEK 1 Tu	Introduction to Human Anatomy	Ch 1	Biography (online)	T or Th	Intro to A&P Bones of the Skeleton	No Lab Quiz
Th	Cells	Ch 2	Ch 1 Lecture Quiz Ch 2 Lecture Quiz			
WEEK 2 Tu	Tissues	Ch 3		T or Th	Upper Appendicular Skeleton	Lab Q 1
Th	Development	Ch 4	Ch 3 Lecture Quiz Ch 4 Lecture Quiz			
WEEK 3 Tu	Skeletal System	Ch 6-8		T or Th	Lower Appendicular Skeleton	Lab Q 2
Th	Articulations	Ch 9	Ch 6 Lecture Quiz Ch 9 Lecture Quiz			
WEEK 4 Tu	Review for First Lecture Exam		Review	T or Th	Axial Skeleton I	Lab Q 3
Th	<b>FIRST LECTURE EXAM</b> (Ch 1-4, 6-9) Closed Notes/Closed Text		Study Guide 1			
WEEK 5 Tu	Integumentary System	Ch 5		T or Th	Axial Skeleton II	Lab Q 4
Th	Muscular System I	Ch 10				
WEEK 6 Tu	Muscular System II	Ch 10	Ch 5 Lecture Quiz Ch 10 Lecture Quiz	T or Th	Cardiovascular I	Lab Q 5
Th	Cardiovascular System: Blood	Ch 12				
WEEK 7 Tu	Cardiovascular System: Heart	Ch 13	Ch 12 Lecture Quiz Ch 13 Lecture Quiz	T or Th	Cardiovascular II	Lab Q 6
Th	Cardiovascular System: Vessel	Ch 14				

WEEK 8 Tu	Review for Second Lecture Exam		Catch up Ch 14 Lecture Quiz	T or Th	Nervous System	Lab Q 7
Th	<b>SECOND LECTURE EXAM</b> (Ch 5, 10, 12-14) Closed Notes/Closed Text		Study Guide 2			
WEEK 9 Tu	Lymphatic System	Ch 15		T or Th	Axial Muscles	Lab Q 8
Th	Nervous System: Organization	Ch 16	Ch 15 Lecture Quiz Ch 16 Lecture Quiz			
WEEK 10 Tu	Nervous: Spinal Cord/Spinal Nerves	Ch 17		T or Th	Appendicular mm I	Lab Q 9
Th	Nervous: Brain/Cranial Nerves	Ch 18	Ch 17 Lecture Quiz Ch 18 Lecture Quiz			
WEEK 11 Tu	Nervous: ANS	Ch 19	Case Study	T or Th	Appendicular mm II	Lab Q 10
Th	Nervous: Special Senses	Ch 21	Ch 19 Lecture Quiz Ch 21 Lecture Quiz			
WEEK 12 Tu	Review for Third Lecture Exam		Catch up	T or Th	Appendicular mm III	Lab Q 11
Th	<b>THIRD LECTURE EXAM</b> (Ch 15-19, 21) Closed Notes/Text		Study Guide 3			
WEEK 13 Tu	Endocrine System	Ch 22	Bioethical Response	ONLINE	Respiratory System & Digestive System (ONLINE LAB this week)	Lab Q 12 (ONLINE)
Th	Respiratory System (No on campus class-ONLINE lecture)	Ch 23				
WEEK 14 Tu	Digestive System	Ch 24	Ch 22 Lecture Quiz Ch 23 Lecture Quiz	T or Th	Urinary System & Reproductive System	Lab Q 13
Th	Urinary System	Ch 25			Practice Lab Final	EC
WEEK 15 Tu	Reproductive System	Ch 26	Ch 24 Lecture Quiz Ch 25 Lecture Quiz	T or Th	LAB FINAL	Lab Final
Th	Review for Lecture Final Exam		Ch 26 Lecture Quiz Practice Lecture Final			
WEEK 16 (Last Week) Tu (12/12)	<b>LECTURE FINAL EXAM</b> 11 am-1 pm Closed Notes/Closed Text		Study Guide 4			

This syllabus may change –not reading announcements or emails is not an excuse for missing these changes.

