

INSTRUCTOR INFORMATION

LECTURE/LAB INSTRUCTOR: PATTY SAITO

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Online Zoom Lecture: M & W, 11:10 am -12:30 pm

OFFICE HR: by Appt. (Zoom.us)

INTRODUCTION

Welcome to Biomedical Science 100, The Human Body Online! The Human Body is a 4 unit non-technical introduction to human anatomy and physiology emphasizing health and disease. This satisfies the SBCC General Education requirement in Natural Sciences as well as the Anatomy and Physiology requirements for the SBCC LVN Program. This does not satisfy requirements for ADN (Associate Degrees in Nursing) majors.

LECTURE TEXT

Required: *Hole's Essentials of Human Anatomy and Physiology* (13th or 14th ed.) by Welsh McGraw-Hill publisher. Other editions are acceptable.

LAB MANUAL

Weekly lab assignments will be posted in Canvas.

COURSE OBJECTIVES

1. describe the human body in detail
2. correlate the structure of the organ systems of the body with their function
3. distinguish tissues based on histological examination,
4. demonstrate the origin, insertion and action of major muscles of the body,
5. recognize the gross anatomical features of the organs of the body, and
6. identify anatomical features in cadaver material, in illustrations, on models or in related animal specimens.

STUDENT LEARNING OUTCOMES

1. organ systems – Summarize the organ systems of the human body and correlate the functions of the organ systems with their gross and microscopic structures.
2. principles - Analyze human structures and functions with respect to established principles in the biological and physical sciences.
3. interpretation - Interpret results of laboratory investigations in light of the theoretical bases of biomedical science.
4. musculoskeletal - Demonstrate the skeletal and muscular landmarks of the body and apply the connections between them to infer principles of human movement.
5. assessment - Assess scientific and popular sources of information within the context of modern physiology, biochemistry, and genetics.

LECTURES AND OFFICE HOURS

I will be holding online lectures M & W, 11:10 am -12:30 pm. We will use zoom.us to discuss lecture and lab material. These are optional. These lectures will be recorded and posted in Canvas. If you need to meet with me individually, please email me and I will set up a private zoom meeting with you!

GRADING

Points will be accumulated throughout the semester from exams, weekly quizzes and written assignments. Below is a breakdown of assignments and associated point values.

Biography	10 points
Syllabus Quiz	10 points
Case Study	15 points
Bioethical Response	15 points
4 Study Guides (15 pts ea)	60 points
22 Lecture Quizzes (5 pts ea)	110 points
2 Lecture Exams (50 pts ea)	100 points
1 Lecture Midterm Exam	100 points
1 Online Practice Midterm Exam	5 points
1 Online Practice Final Exam	5 points
1 Lecture Final Exam	150 points
<u>Lab Score</u>	<u>375 points</u>
Total	955 points

GRADING SCALE

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

LECTURE QUIZZES

23 Chapter Lectures/Reviews (5 points each) will be administered throughout the course (see lecture schedule). It will consist of Multiple Choice questions. These quizzes are administered online and are **OPEN NOTES/TEXT**. I will drop your lowest score.

EXAMS

You will take two Lecture Exams, one Midterm Exam and one Final Exam. The 50 point lecture exams (Exams 1 and 3) will be completely online and you can use your study guide. The Midterm and Final Exams are **CLOSED NOTES** and may consist of True/False, Multiple Choice, Matching, Short Answer Questions and Diagrams. The use of cell phones are prohibited during any quizzes/exams (automatic "0" on quiz/exam). A proctoring service called Proctorio will be employed during all exams.

LAB QUIZZES

The lab quizzes will cover material discussed and studied from the online lab activities as indicated.

1. Online Lab Quizzes are given weekly that test your knowledge and understanding of the material taught during that same week.
2. Visit the Lab Tutor sessions each week to have them help you with the material as well as quiz and prepare you for the weekly Lab Quiz.
3. Do not miss taking the Lab Quiz. If you miss for any reason, you will have one week to complete that quiz with a 10% penalty daily so take it as soon as possible. After one week, your score will become an automatic 0.
4. Your lowest quiz score will be dropped automatically.
5. Do not dismiss the lab as it accounts for 350 points and ~40% of your grade.

LAB REPORTS

While you will be filling out the Lab Reports at the end of each lab, you will NOT be turning these in. They are to study from and the answers can be found by completing the lab activities and visiting the Lab Tutor each week for help.

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](tel: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.

CASE STUDY

You will need to complete a Case Study (15 points). You will need to read the case then answer the questions directed on the word document provided using the rubric provided below. Turn this in online.

	2 points	5 points	10 points	13 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 RESPONSE

You will have the opportunity to respond to a bioethical topic that is located within your textbook or from other sources. This discussion topic is worth 15 points. For the response, you must answer the question, provide 2 factual reasons for your view as well as respond to a classmate’s post. You must submit this online.

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			

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.

WITHDRAWAL FROM THE COURSE

If you stop attending the course, it is YOUR responsibility to officially withdraw from the course through admissions.

Feb 4	Last day to drop with refund and without "W"
Feb 5	Last day to drop without a refund and without a "W"
Mar 31	Last day to drop a semester-length class with a "W"
May 12	Last day to apply for pass/no pass for a semester-length class

LATE ASSIGNMENTS

Late assignments/quizzes are accepted with a penalty of 10% off total score each calendar day it is late. After one week, however, the missing score will become a zero "0." The course schedule is posted to keep students on track and prevents students from getting behind. Completing assignments as scheduled will result in maximum success and retention of the material.

LECTURE SCHEDULE AND READING ASSIGNMENTS

DATES	LECTURE TOPIC	CHAP.	ASSIGNMENTS DUE by SUNDAY	Suggested LAB DATES	LABORATORY	LAB QUIZ
WEEK 1 M 1/23	Introduction to A & P	Ch 1	Biography Ch 1 Lecture	T 1/24	Microscope	No Lab Quiz due
W 1/25	Chemistry of Life	Ch 2	Syllabus Quiz			
WEEK 2 M 1/30	Chemistry of Life	Ch 2	Ch 2 Lecture	T 1/31	Osmosis & Diffusion	Lab Q 1
W 2/1	Cells	Ch 3	Ch 3 Lecture			
WEEK 3 M 2/6	Cellular Metabolism I	Ch 4	Ch 4 Lecture	T 2/7	Intro to A&P Bones of the Skeleton	Lab Q 2
W 2/8	Tissues	Ch 5	Ch 5 Lecture			
WEEK 4 M 2/13	Catch up and Review		Exam 1 Review	T 2/14	Skeletal System I	Lab Q 3
W 2/15	No Lecture					
F 2/17-2/19	FIRST LECTURE EXAM (Ch 1-5) Open Study Guide		Study Guide 1			
WEEK 5 M 2/20	No Lecture due to holiday			T 2/21	Skeletal System II	Lab Q 4
W 2/22	Integumentary System	Ch 6	Ch 6 Lecture			
WEEK 6 M 2/27	Skeletal System I	Ch 7	Ch 7 Lecture	T 2/28	Skeletal System III	Lab Q 5
W 3/1	Skeletal System II		Bioethical Discussion			
WEEK 7 M 3/6	Muscular System I	Ch 8	Ch 8 Lecture	T 3/7	Muscular System I	Lab Q 6
W 3/8	Muscular System II		Practice Midterm			
WEEK 8 M 3/13	Catch up & Review for Midterm Exam		Midterm Review	T 3/14	Muscular System II	Lab Q 7
W 3/15	No Lecture					
F 3/17-3/19	MIDTERM EXAM using PROCTORIO (Ch 1-8 with an emphasis on 6-8) Closed Notes/Closed Text		Study Guide 2			

WEEK 9 M 3/20	Nervous System I	Ch 9	Ch 9 Lecture I	T 3/21	Muscular System III	Lab Q 8
W 3/22	Nervous System II		Ch 9 Lecture II			
3/27-3/31	SPRING BREAK				No Lab	No Lab Quiz
WEEK 10 M 4/3	Senses	Ch 10	Ch 10 Lecture	T 4/4	Nervous System A & P	Lab Q 9
W 4/5	Endocrine System	Ch 11	Ch 11 Lecture Case Study			
WEEK 11 M 4/10	Cardiovascular: Blood	Ch 12	Ch 12 Lecture	T 4/11	Cardiovascular A & P	Lab Q 10
W 4/12	Cardiovascular: Heart & Vessels	Ch 13	Ch 13 Lecture			
WEEK 12 M 4/17	Catch Up & Review			T 4/18	Digestive/Urinary A&P	Lab Q 11
W 4/19	No Lecture		Exam 3 Review			
F 4/21-4/23	THIRD LECTURE EXAM (Ch 9-13) Open Study Guide		Study Guide 3			
WEEK 13 M 4/24	Lymphatic and Immunity	Ch 14	Ch 14 Lecture	T 4/25	Exercise Physiology	Lab Q 12
W 4/26	Digestion and Nutrition	Ch 15	Ch 15 Lecture			
WEEK 14 M 5/1	Respiratory System	Ch 16	Ch 16 Lecture	T 5/2	Practice Lab Final	Lab Q 13
W 5/3	Urinary System	Ch 17	Ch 17 Lecture			
WEEK 15 M 5/8	Reproductive System	Ch 19	Ch 19 Lecture	T 2/9	Take the LAB FINAL	Lab Final
M 5/10	Review for Lecture Final Exam		Practice Lecture Final Final Exam Review			
WEEK 16 (Finals Week) 5/15-17	LECTURE FINAL EXAM using PROCTORIO Online – due by WED Closed Notes/Closed Text		Study Guide 4		No Labs	

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