

INSTRUCTOR INFORMATION

INSTRUCTOR: Patty Saito
OFFICE: EBS 308
OFFICE HOURS: Tu and Wed 1-2 pm

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INTRODUCTION

Welcome to Biomedical Science 100, The Human Body! 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: *Essentials of Human Anatomy and Physiology* (12th ed.) by Shier, Butler and Lewis. McGraw-Hill publisher. Other editions are acceptable.

LAB MANUAL

Required: BMS 100 The Human Body Lab Manual (loose-leaf). This is a custom lab packet that must be purchased at the SBCC bookstore. **You must purchase the current Spring2019 version only.**

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.

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
10 Lecture Quizzes (10 pts ea)	100 points
2 Lecture Exams (50 pts ea)	100 points
1 Lecture Midterm Exam	100 points
1 Online Practice Final Exam	10 points
1 Lecture Final Exam	150 points
<u>Lab Score</u>	<u>350 points</u>
Total	920 points

GRADING SCALE

Grade	Percentage	Min Points	Expectation
A+	98.5-100%	906-920	Excellent work, all assignments completed
A	90.5-98.4%	833-905	Excellent work, all assignments completed
A-	89.5-90.4%	823-832	Excellent work, all assignments completed
B+	87.5-89.4%	805-822	Above average work, all assignments completed
B	80.5-87.4%	741-804	Above average work, all assignments completed
B-	79.5-80.4%	731 -740	Above average work, all assignments completed
C+	77.5-79.4%	713-730	Average work, all assignments completed
C	69.5-77.4%	639-712	Average work, all assignments completed
D	59.5-69.4%	547-638	Inadequate work, all assignments completed
F	<59.4%	<546	Unacceptable work, incomplete assignments

QUIZZES

11 Chapter quizzes (10 points each) will be administered throughout the semester (see lecture schedule). It will consist of True/False, Multiple Choice and Matching questions. These quizzes are taken during class time and you may use your own study guide and lecture notes (sharing notes for the quiz is prohibited). Purchase the small 15 point scantrons early for the quizzes. Do NOT come late to lecture, we start quizzes on time and do not repeat questions. I drop your lowest Lecture Quiz scores.

EXAMS

You will take two Lecture Exams, one Midterm Exam and one Final Exam. Like the quizzes, the 50 point lecture exams will be during class and you can use notes and study guide (you may only use lecture notes and guides – no printing old quizzes or exams). The Midterm and Final Exams are CLOSED NOTES and may consist of True/False, Multiple Choice, Matching, Short Answer Questions and Diagrams. You must bring a scantron (form 882-E) and pencil (2 scantrons for the final exam). Use of cell phones are prohibited during any quizzes/exams (automatic “0” on quiz/exam).

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.

CASE STUDY

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 may turn this in online (preferred).

	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 are 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 turn this in online as a word or pdf document.

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

Absolutely no form of academic dishonesty or plagiarism will be tolerated. It is unethical and unfair, not to mention slimy, vile and lame. Anyone caught cheating will be subjected to the most severe academic penalties. Any academic work you submit shall be the result of your thought, research or self-expression otherwise will be considered scholastic dishonesty. Scholastic dishonesty includes but is not limited to, cheating on an exam or quiz, plagiarizing, and unauthorized collaboration with another in preparing outside work. Helping another student engage in cheating or committing fraud will be considered Facilitation of Academic Dishonesty and students involved in "cooperative cheating and/or fraud" will receive a grade of F on the activity, be suspended from attending class, and reported to the appropriate College administrator for further discipline. You are encouraged to support this atmosphere by avoiding acts of academic dishonesty and discouraging such acts in others.

OTHER OBVIOUS RULES

Students may NOT come to class intoxicated or high on marijuana or any other controlled substance that creates behavior that is disruptive or non-productive to other students. You will be asked to leave the class if this is violated and may be reported to the appropriate campus authorities. If you bring a laptop or want to look at your phone in lecture and want to view facebook, youtube or any other non-BMS 100 material, please sit in the back of the class so as to not distract others. Please do not hold private conversations while the instructor is talking as it may prevent your peers from hearing the lecture. Failure to comply with these rules will result in being asked to leave. In summary - be considerate of your classmates and the instructor - if you do this, all students will have the opportunity to learn!

WITHDRAWAL FROM THE COURSE

If you stop attending the course, it is YOUR responsibility to officially withdraw from the course through admissions. Below are some important dates:

Jan 26	Last day to drop with refund and without "W"
Jan 27	Last day to drop without a refund and without a "W"
Feb 14	Last day to apply for pass/no pass for a semester-length class
Mar 15	Last day to drop a semester-length class with a "W"

LABORATORY SPECIMENS AND CADAVERS

We are fortunate at SBCC to have access to cadavers and many preserved organs for your anatomical studies in lab. The cadavers are people who specifically donated their bodies to the Willied Body Program for anatomical study by students at a college or university. You must treat all cadavers with the utmost respect. Upon complete prosection and use at our school, the cadavers are returned to the medical school from which they originated and then sent to a designated crematorium after which their ashes are buried at sea according to state law.

The lab will make use of many models, charts, and human organ specimens. These educational aids are very expensive and some are irreplaceable. Always use utmost care in handling. **The use of photography in the lab is forbidden and cameras and cell phones are not allowed in the cadaver room.** In addition, you must not remove any materials from the lab. Anyone caught removing materials from the lab will be immediately dropped from the course.

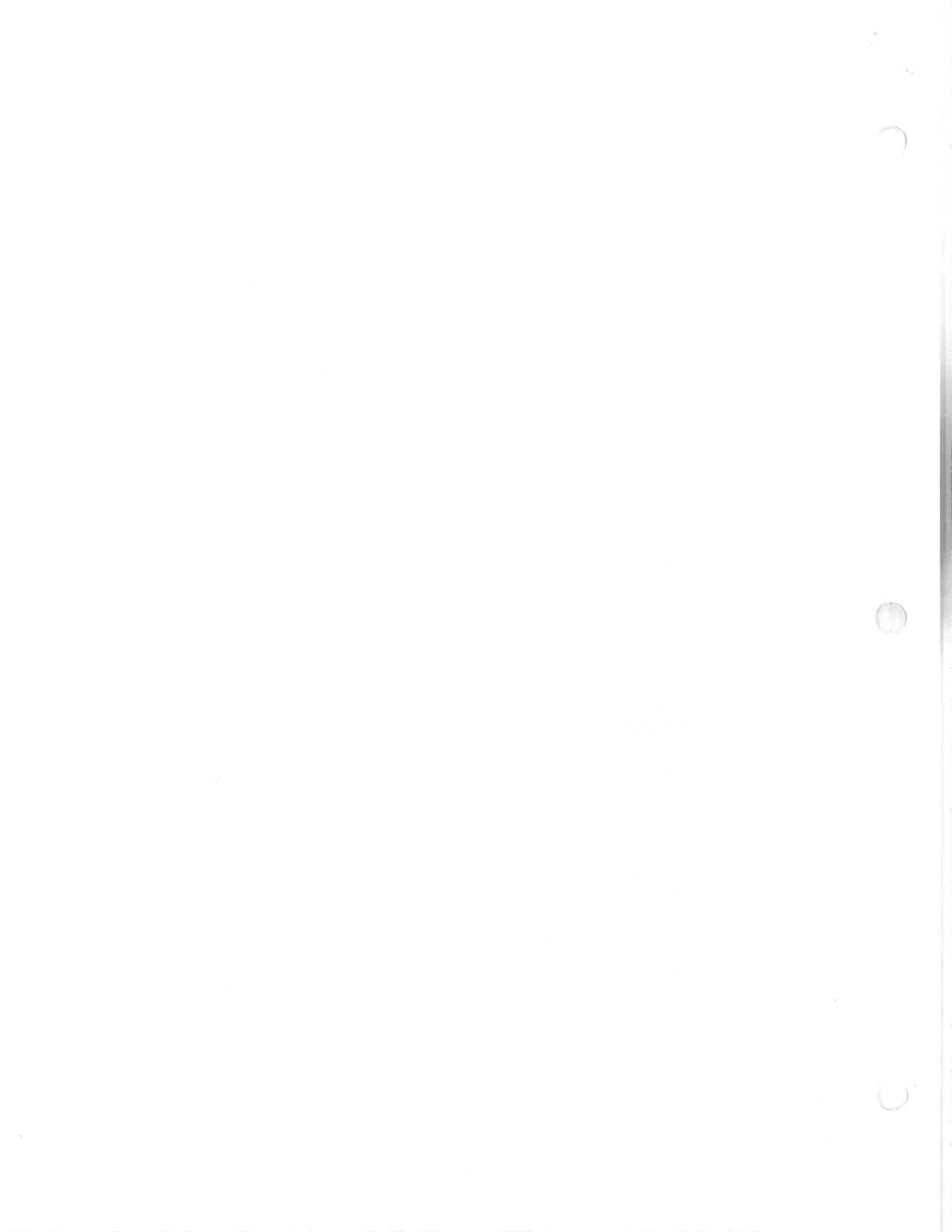
LECTURE SCHEDULE AND READING ASSIGNMENTS

WEEK #	DATE	TOPIC	CHAPTERS IN TEXT	ASSIGNMENT DUE
1	Jan 14-20	Intro to Human A & P Chemistry of Life	1 2	Online Biography Syllabus Quiz
2	Jan 21-27	Cells Cellular Metabolism	3 4	Quiz 1 (Ch 1, 2)
3	Jan 28- Feb 3	Tissues Catch up and Review	5	Quiz 2 (Ch. 3, 4)
4	Feb 4-10	Exam 1 (Chapters 1 -5) Integumentary System	6	Study Guide 1
5	Feb 11-17	Skeletal System Skeletal System (cont.)	7	Case Study Quiz 3 (Ch. 6)
6	Feb 18-24	Muscular System Muscular System (cont.)	8	Quiz 4 (Ch 7)
7	Feb 25- Mar 3	Catch up and Review MIDTERM EXAM (Chapters 1-8)		Quiz 5 (Ch. 8) Study Guide 2
8	Mar 4-10	Nervous System	9	Bioethical Response
9	Mar 11-17	Senses Endocrine System	10 11	Quiz 6 (Ch 9)
10	Mar 18-24	Blood Heart	12 13	Quiz 7 (Ch 10, 11)
11	Mar 25-31	Spring Break		No Assignments Due
12	Apr 1-7	Vessels Catch up and Review	13	Quiz 8 (Ch. 12, 13)
13	Apr 8-14	Exam 3 (Chapters 9-13) Lymphatic System & Immunity	14	Study Guide 3
14	Apr 15-21	Digestion and Nutrition	15	Quiz 9 (Ch 14)
15	Apr 22-28	Respiratory System Urinary System	16 17	Quiz 10 (Ch. 15)
16	Apr 29- May 5	Reproductive Systems Catch Up and Review for Final Exam	19	Quiz 11 (Ch 16, 17)
17	May 8	FINAL LECTURE EXAM: 11 am-1pm (all chapters with emphasis on new material)		Practice Final Exam Study Guide 4

NOTE: I will not be accepting late assignments except in extreme situations (death, hospitalizations, etc.)
Lecture Quizzes will not be allowed to be made up. Don't miss lecture!

DISCLAIMER

This syllabus is subject to change and may do so depending on circumstances. Every attempt will be made to advise the class of these changes in a timely and equitable manner. Not checking e-mails or announcements does NOT constitute an excuse for missing those changes.



You must be enrolled in the Lecture AND one of the following labs:

- CRN 54990 Mondays 7:50-10:55 pm
- CRN 63546 Wednesdays 7:50-10:55 am
- CRN 54991 Mondays 2:30-5:35 pm

LAB QUIZZES

The lab quizzes will cover material discussed and studied during lab as indicated.

1. Lab Entrance Quizzes are given at the beginning of lab and will cover the material from the previous week's lab. If you come in late you will have less time to complete the quiz. Lab quizzes typically take 15 minutes to complete and CANNOT BE MADE UP. If you miss a lab, you will not be allowed to take this quiz.
2. Lab Exit Quizzes are given at the end of lab and will cover the material from that day's lab. Please do not ask to take the Exit Quiz early – if you leave early, you will get a 0 on this quiz.
3. **There are NO lab quiz make-ups!** If you are late to lab, sick or miss a lab for any reason, you will receive a "0" for those quizzes.
4. Do not dismiss the lab as it accounts for 350 points and 35% of your grade.

LAB REPORTS

You will need to complete the lab reports located at the end of each lab and turn them in for credit. These are worth 10 points each and are due at the beginning of lab the following week. If you miss a lab, I will NOT accept the lab report for the lab you missed. You may, however, turn in the lab report from the previous week's lab when you return to lab.

EXTRA CREDIT

There will be one extra credit lab during the week of Feb 18. The Monday lab is a holiday but the Wed lab will have an opportunity to fill out an extra credit lab report.

GRADES

Lab Quizzes:

Entrance Quiz: 11 @ 13 pts	143 points
Exit Quiz: 11 @ 2 pts	22 points

Lab Final: 1 @ 75 pts	75 points
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<u>Lab Reports: 11 @ 10 pts</u>	<u>110 points</u>
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Lab Total:	350 points
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LAB SCHEDULE

WEEK	LAB TOPIC	ASSIGNMENT DUE/ QUIZ
1/14	Intro A&P, Terminology, Bones of Skeleton, Osmosis/Diffusion	No Quiz, No Assignments
1/21	No labs on Mon, Open Lab on Wed 7:50-10:55 am	No Quiz, No Assignments due
1/28	Upper Appendicular Skeleton	Lab 1, Lab Quiz 1
2/4	Lower Appendicular Skeleton	Lab 2, Lab Quiz 2
2/11	Axial Skeleton	Lab 3, Lab Quiz 3
2/18	No Monday Labs – Wed Open Lab - Extra Credit Assignment	No Quiz, No Assignments due
2/25	Upper Appendicular Muscles	Lab 4, Lab Quiz 4
3/4	Lower Appendicular Muscles	Lab 5, Lab Quiz 5
3/11	Axial Muscles	Lab 6, Lab Quiz 6
3/18	Nervous System: CNS, Reflex Physiology, Eye and Vision	Lab 7, Lab Quiz 7
3/25	SPRING BREAK	No Quiz, No Assignments due
4/1	Cardiovascular System: Blood, Heart, Vessels	Lab 8, Lab Quiz 8
4/8	Digestive, Urinary Systems Anatomy and Physiology	Lab 9, Lab Quiz 9
4/15	Exercise Physiology	Lab 10, Lab Quiz 10
4/22	Review for Lab Final	Lab 11, Lab Quiz 11
4/29	LAB FINAL (taken during normal lab times)	LAB FINAL

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