

Anatomy & Physiology I

Laboratory Course Syllabus:

General Information:

Section: 1134-X1A-K
Course Meetings: Online
Lab TA:
Office:
E-mail :
Office Tutoring
Hours:

Resources :

BIOL 1134, Anatomy & Physiology is included in the above program for the Fall semester. What does this mean?

- Your course material is in D2L on the first day of class, for everyone in your class. This pricing below includes both your lecture and lab material. Your Professors opted to have this course in the program to save you time and money.
- The charge of \$97.50 + tax has been added to your student account.

You have the choice to “opt out” of this special pricing and find your material on your own. If you prefer to “opt out”, the instructions will be in your [my.msutexas.edu email](mailto:my.msutexas.edu) on the second day of class. The last day to opt out of the program and the content will be [09/03/24](#). For questions concerning the program or if you need assistance, please contact the Bookstore at jenny.denning@msutexas.edu.

- Required: Connect – ISBN 9781264349210. Connect provides access to the eBook: Anatomy and Physiology: Unity of Form and Function, by Saladin and McFarland, McGraw Hill, as well SmartBook assignments, lab simulations and a virtual dissection tool.

- **LAB ACTIVITIES ARE IN A SEPARATE MCGRAW HILL CONNECT SECTION FROM LECTURE ACTIVITIES**

Course Description (from catalog):

Structure and function of the human body. Anatomical terminology, chemical and cellular bases of life, tissues, the integumentary, skeletal, muscular, and nervous systems, including sense organs. Concurrent laboratory participation with animal dissection required.

Course objectives:

- Practice general laboratory safety
- Demonstrate effective use of a compound microscope
- Demonstrate proper dissecting techniques
- Locate and describe the function of eukaryotic cell structures
- Identify anatomical structures and regions using proper anatomical terminology

- Identify the various tissue types based on microscopic anatomy
- Identify and locate the various bones and muscles within the rat and human
- Demonstrate and explain articulations of the various joint type in the human
- Identify the gross anatomical features of the central nervous system
- Describe the enervation of the human body
- Demonstrate and explain spinal reflexes and the functions of the sensory organs

General Course Rules:

Lab is online this semester but you should still be familiar with lab safety rules

1. Laboratory safety rules **must** be followed at all times (see following section). Safety violations will result in deductions from the laboratory participation grade (see below).
2. Cell phones and pagers are to be turned off before lab begins.
3. Students are expected to read the introductory material prior to each lab session.
4. Cheating will not be tolerated. Anyone suspected of cheating will be subject to the consequences outlined in the University's academic honesty policy (Student Handbook, p. 120).
5. All lab activities should be completed on time.
6. Absences may be excused only by prior arrangement with the laboratory or course instructor.

Absences will be excused for:

- a. **Death of an immediate family member.** An immediate family member is considered to be a grandparent, parent, sibling, spouse, in-law, aunt, uncle, or child.
 - b. **Summons to appear in court or jury duty.** A copy of the summons is required.
 - c. **Call to military service.** A copy of your orders to report is required.
 - d. **University sponsored event.** Members of athletic teams, college bowl participants, etc. will be excused with proper notification.
 - e. **Debilitating illness or disability.** Illnesses will be addressed on an individual basis. If a student is affected by an illness that is not debilitating, (i.e. flu, virus infection) which may result in the student missing one or more consecutive class sessions, that student will be marked as unexcused for the amount of days missed **unless a doctor's note is provided.**
7. All quizzes, exams, or assignments missed due to unexcused absences will be recorded as zeros.
 8. If you have a documented disability that will impact your work in this class, please contact the TA or instructor to discuss your needs.

Laboratory Safety:

1. No food or drinks are to be taken into or consumed in the laboratory.
2. Open-toed shoes, sandals or similar footwear are not appropriate and should not be worn in the laboratory. Shorts and short skirts are also inappropriate in terms of laboratory safety. These regulations are for your personal safety. Students wearing inappropriate dress will not be permitted to enter the laboratory.
3. Long hair must be tied back as it is not only a potential source of contamination, but also a fire hazard.
4. Do not apply cosmetics or handle contact lenses in the laboratory.
5. Each group is responsible for proper clean up at the end of the laboratory period. This includes proper cleaning and storage of microscopes, proper disposal of contaminated materials, disinfection of benches and workspaces, etc

6. Wash your hands thoroughly with soap and water before leaving the laboratory – even if only for a short time.

Attendance Policy:

Students are expected to attend all meetings of the classes in which they are enrolled. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class attendance and class participation are deemed essential by the faculty member. In those classes where attendance is considered as part of the grade, the instructor should so inform students of the specifics in writing at the beginning of the semester in a syllabus or separate attendance policy statement.

An instructor who has an attendance policy must keep records on a daily basis. The instructor must give the student a verbal or written warning prior to being dropped from the class. Instructor's records will stand as evidence of absences. A student with excessive absences may be dropped from a course by the instructor. Any individual faculty member or college has the authority to establish an attendance policy, providing the policy is in accordance with the General University Policies. [MSU Student Handbook, p. 45]

Inclement weather

This is a fully online course, therefore, in the event of campus closures due to inclement weather activities will continue as scheduled. Any changes to schedule will be announced via D2L mail and D2L news items on the homepage.

Laboratory participation is required. Unexcused absences for the laboratory midterm or final exams, or more than two (2) unexcused absences for laboratory sessions, will result in a final grade of "F" for the course.

Grading:

Lab constitutes 30% of the BIOL 1134 grade. Points are distributed as follows:

Weekly quizzes	20%	(Scores modified by participation/safety factor)
Midterm Exam:	25%	(Lab practical)
Final Exam:	25%	(Lab practical)
Virtual Labs	30%	(Scores determined by grading sheet given)

Quiz scores will be recorded as a percentage (e.g. 9/10 = 90%, 12/15 = 80%, etc.). Your final quiz percent average represents your quiz component. The assigned pre-lab and review exercises are recorded in your notebook weekly and graded as a percentage (see the file Lab Notebook Layout on your lab D2L section). The laboratory midterm and final exam are both out of 100 and so are also recorded as a percentage.

Date	Week	Topic	Quizzes
Aug. 26 – Sept 1	1	Introduction, Language of Anatomy, and The Microscope	No quiz

Sept. 2 – 8		The Cell, Cellular Transport Mechanisms	Q1 & Metric system homework
Sept 9- 15	2		Q2
Sept.16 – 22	3	Classification of Tissues	
Sept. 23 -29	4	Integumentary System	Q3
Sept 30 – Oct 6	5	Bone Tissue; Skeleton (Axial)	Q4
Oct 7- 13	6	Skeleton (Appendicular), Joints	Q5
Oct 14-20	7		Q6
Oct 21 – 27	8	<u>MIDTERM EXAM</u>	
Oct 28- Nov 3	9	Axial Muscle	No quiz
Nov 4 – 10	10	Appendicular Muscles	Q7
Nov. 11- 17	11	Spinal cord and reflexes	Q8
Nov. 18 – 24	12	Brain and cranial nerves	Q9
Nov 25- Dec 1	13	Special senses	Q10
Dec 2 -8	14	Thanksgiving break No lab/ one lab make-up opportunity LAB FINAL EXAM	No quiz Lab final exam