
1134: A&P 1 Lab

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Fall 2021
Bolin Office 220A

Office Hours: MWF- 11am to 12pm; T & Th- 2pm to 3pm

COURSE DESCRIPTION: This course emphasizes structure and function of the human body. Anatomical terminology, chemical and cellular basis of life, tissues, the integumentary, skeletal, muscular, and nervous systems, including sense organs are all explored. Concurrent laboratory participation with animal dissection required.

PREREQUISITES/COREQUISITES: None

OBJECTIVES: As a result of this course, you will be able to:

- Demonstrate a knowledge of general laboratory safety
- Demonstrate effective use of a compound microscope
- Demonstrate understanding of 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

REQUIRED TEXTS AND RESOURCES:

- McGraw Hill Unity of Form and Function 9th Edition by Saladin; ISBN: 9781260256000
- eScience lab kit: kit5018; Either from the Bookstore or following site:
<https://help.esciencelabs.com/a/1388893-how-do-i-order-a-physical-kit-on-esciencelabs-com>

Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. Students are charged for required course materials on their student account with the Business Office. Any students who wish to opt-out of the Program and purchase the required course materials on their own must do so prior to 09/07/21. Opt-out instructions are sent to students' official my.msutexas.edu email address after the first day of class. Please contact the MSU Bookstore if you have any questions about the opt-out process.

COVID STATEMENT: Any students who experience symptoms of COVID-19 should immediately quarantine, notify their physician, and complete the [COVID-19 Reporting Form for Students](#). Alternatively, students may call the Office of Student Affairs at 940-397-4500. A campus contact tracer will follow up with all reporting students.

COMMUNICATION: You are expected to check your student e-mail regularly, as well as check D2L for grade postings and announcements regarding assignment and schedule changes. Because documents will be distributed electronically, you must inform me immediately if there is a problem retrieving them. Problems with due dates and exams must be discussed with me **before** the exam date or due date. Student athletes

and those who will not be in class due to a university activity need to turn in work upon returning. The best way to reach me is through e-mail, which I check at least once a day. You can email me directly or via D2L. Leaving a voice mail is the second-best option. If you have a concern or question you need to discuss at length, you can come by during office hours. **Masks must be worn during the visit.** If you do not wish to wear a mask, I can set up a digital meeting.

ACCOMMODATIONS: Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make necessary arrangements. Students must present appropriate verification from the University's [Disability Support Services](#) (DSS) Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodation(s) to a student until appropriate verification from DSS has been provided.

COURSE REQUIREMENTS

Deadlines for all assignments are listed in the course calendar at the end of this syllabus.

Quizzes 80 points

There will be 10 reading quizzes throughout the semester. Each quiz is worth 10 pts and they are untimed. They all will have a due date by which they must be completed. These should be done AFTER reading the lab material.

Lab Assignments 200 points

There will be 8 lab write-ups. Each corresponds with an assignment within the eScience Lab Kit. You will download the Word Doc from D2L and then complete the questions during/after you perform the lab according to the directions within the kit. You will then upload the completed write-up to D2L and turn it in.

Tests 320 points

There will be 2 tests throughout the semester; a Midterm and Final. They will each be worth 160 pts.

Total	600 points
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GRADING: The Lecture portion of this course accounts for 60% of your final grade while the Lab portion accounts for 40%

ASSIGNMENT SUBMISSION: All assignments will be submitted in D2L unless otherwise stated.


LATE WORK: Quizzes and assignments will be taken after the due date, but a 10% penalty will be applied each day it is late. **I will not accept late work after ONE week from the due date.**

MAKEUP EXAMS: If you are going to miss an exam, you must let me know at least two days in advance. I will set a time and day for the exam to be made up. If this time and day is missed, the exam will be scored a zero. If you miss the exam due to an emergency, contact me as soon as possible.

PLAGIARISM/ACADEMIC OFFENSES: “As an MSU Student, I pledge not to lie, cheat, steal, or help anyone else do so.” (University Student Handbook). Any student found cheating or copying from another student's work, or found to have plagiarized from other material (or using any materials for an assignment not completed by that student) will receive a grade of 0 for the assignment in question, and may face further disciplinary action according to university policy.

OTHER: [Tutoring and Academic Support Programs](#) (TASP) provides free drop-in tutoring for MSU students. Located on the first floor of Moffett Library, TASP's Learning center provides tutoring support in a number of core courses and subject areas. Please see their schedule for more information about times and offerings. *Remember that you don't need an appointment to utilize these services.*

COURSE CALENDAR			
<i>These dates are subject to change at the discretion of the instructor.</i>			
Wk	Date	Agenda/Topic	Due this Week
1	Aug. 23 – Aug. 29	<ul style="list-style-type: none"> Getting Started Lab 1: Intro to Science 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Sept. 5 <input type="checkbox"/> Lab Assignment: due by 11:59 Sept. 5
2	Aug. 30 – Sept. 5	<ul style="list-style-type: none"> <u>Finish</u> Lab 1: Intro to Science 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Sept. 5 <input type="checkbox"/> Lab Assignment: due by 11:59 Sept. 5
3	Sept. 6 – Sept. 12	<ul style="list-style-type: none"> Lab 2: Cell Structure & Function 	<input type="checkbox"/> Sept. 6: NO SCHOOL <input type="checkbox"/> Lab Quiz: due by 11:59pm Sept. 12 <input type="checkbox"/> Lab Assignment: due by 11:59 Sept. 12
4	Sept. 13 – Sept. 19	<ul style="list-style-type: none"> Lab 3: Mitosis & Meiosis 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Sept. 19 <input type="checkbox"/> Lab Assignment: due by 11:59 Sept. 19
5	Sept. 20 – Sept. 26	<ul style="list-style-type: none"> Lab 4: Diffusion & Osmosis 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Oct. 3 <input type="checkbox"/> Lab Assignment: due by 11:59 Oct. 3
6	Sept. 27 – Oct. 3	<ul style="list-style-type: none"> <u>Finish</u> Lab 4: Diffusion & Osmosis 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Oct. 3 <input type="checkbox"/> Lab Assignment: due by 11:59 Oct. 3
7	Oct. 4 – Oct. 10	<ul style="list-style-type: none"> Lab 5: Tissues & Skin 	<input type="checkbox"/> Lab Quiz: due by 11:59pm Oct. 10 <input type="checkbox"/> Lab Assignment: due by 11:59 Oct. 10

8	Oct. 11 – Oct. 17	• Midterm (Labs 1-4)	<input type="checkbox"/> Friday October 15th <input type="checkbox"/> Opens at 8am and closes at 11:59 pm
9	Oct. 18 – Oct. 24	• Lab 6: Skeletal System	<input type="checkbox"/> Lab Quiz: due by 11:59pm Oct. 31 <input type="checkbox"/> Lab Assignment: due by 11:59 Oct. 31
10	Oct. 25 – Oct. 31	• <u>Finish</u> Lab 6: Skeletal System	<input type="checkbox"/> Lab Quiz: due by 11:59pm Oct. 31 <input type="checkbox"/> Lab Assignment: due by 11:59 Oct. 31 
11	Nov. 1 – Nov. 7	• Lab 7: Muscular System	<input type="checkbox"/> Lab Quiz: due by 11:59pm Nov. 14 <input type="checkbox"/> Lab Assignment: due by 11:59 Nov. 14
12	Nov. 8 – Nov. 14	• <u>Finish</u> Lab 7: Muscular System	<input type="checkbox"/> Lab Quiz: due by 11:59pm Nov. 14 <input type="checkbox"/> Lab Assignment: due by 11:59 Nov. 14
13	Nov. 15 – Nov. 21	• Lab 8: Nervous System	<input type="checkbox"/> Lab Quiz: due by 11:59pm Nov. 23 <input type="checkbox"/> Lab Assignment: due by 11:59 Nov. 23
14	Nov. 22 – Nov. 28	• <u>Finish</u> Lab 8: Nervous System	<input type="checkbox"/> Thanksgiving Break Nov. 24-28 <input type="checkbox"/> Lab Quiz: due by 11:59pm Nov. 23 <input type="checkbox"/> Lab Assignment: due by 11:59 Nov. 23
15	Nov. 29 – Dec. 3	• Final (Labs 5-8)	<input type="checkbox"/> Wednesday December 1st <input type="checkbox"/> Opens at 8am and closes at 11:59pm