



BIOL 2401.101CL
Anatomy and Physiology 1
Fall 2022
Monday / Wednesday 8-10:50 am

Instructor Information: Dr. Leslie Mayer, Lmayer1@com.edu

Student hours and location: Monday: 7:30 - 8:00 AM, Steam Bldg. Rm. 333

Required Textbook and Materials:

- Purchase Scantrons (Scantrons will be turned in to Dr. Mayer and distributed throughout the semester):
 - Purchase 5 (five) Scantrons: 881-E
 - Purchase 15 (fifteen) Scantrons: Quizstrip 815-E

- Class Textbook: You automatically purchased the eBook at the time of registration. You will gain access to the eBook in Blackboard when class begins.
Textbook Information: E.N. & Hoehn, K., 2019. Human Anatomy and Physiology, 11th edition, Boston, MA; Pearson Education, Inc. bundled with MODIFIED Mastering A&P on-line component. ISBN-13: 9780134763415.

- Lab Manual: (Purchase in the COM bookstore) Amerman, E., 2022. Exploring Anatomy & Physiology in the Laboratory, 4th edition. Englewood, Colorado, Morton Publishing Company (customized for College of the Mainland) ISBN-13: 9781640436206
MAKE SURE TO HAVE YOUR LABORATORY MANUAL daily

Course Description:

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

Course requirements:

Lecture Exams & Final Exam:

You will have four lecture exams and a comprehensive final exam over the course material. Exams will be taken in class and timed. Each exam may consist of multiple-choice, fill-in-the-blank, matching, true-false, short-answer, essay and/or identification. Tested information may come from the textbook, class lecture material, laboratory material, and/or any handouts. Each test must be returned at the end of the class period. Any test that is not returned will have the grade on the exam changed to a “zero”.

★ Notice: If you make an A on every lecture exam, you may elect to skip the final exam. In that event, your final exam score will be an average of your four lecture exams scores, with an adjustment for proper point conversion. If you make an A on every lecture exam and decide to take the final exam also, whatever score you make on the final exam will stand.

Quizzes:

You will have 15 quizzes in this course. Quizzes will cover material from the current week’s lecture. Quizzes are taken in class and are on Wednesdays. Refer to the schedule that follows.

Professionalism:

Your participation in this class in a professional manner is required. Examples of behaviors which detract from this component are: emails sent to the professor written as if sending a text message rather than a proper email, assignments turned in late or with difficulty due to waiting till last minute, arriving late to class, leaving early, etc. For a comprehensive listing, refer to the tab in the left-hand panel of Brightspace called “Syllabus & Schedule” and select the tab labeled “Professionalism”.

Participation:

You are expected to participate in all classroom activities. You may not always know the right answers, but you should make effort. Active participation increases your learning and critical thinking skills.

Your quality of participation will be reflected in your participation score. A participation score is assessed each day for the first fourteen weeks of class, with the exception of Labor Day. Maximum score per day is 5 points.

All students are automatically allotted 3 point per day when present for an entire class period. Attentive participation (remaining on-task) in classroom activities for the entirety of a class period will result in 4 points. To achieve maximal point value of 5/day you should volunteer for opportunities, attempt to answer questions when called, ask appropriate questions independently, and display leadership characteristics.

An absence for any reason will result in an accumulation of zero (0) daily participation points.

Lab Checkouts:

You will have 10 Lab Checkouts in this course. Lab Checkouts are questions concerning an assigned lab manual unit that you are assigned to read and complete. Lab Checkouts are taken in class and are generally on Mondays. Refer to the schedule that follows.

Lab Practical:

Two Lab Practicals are scheduled. A Lab Practical will cover material presented in lab during a given section and is taken in class. Please refer to the schedule that follow.

Any practical that is not returned at the end of class will have the grade on the quiz changed to a “zero”.

Anything turned-in without your name / student ID# is susceptible to not being graded and resulting in a grade of zero. ***Double check all work before submitting***

Determination of Course Grade/Detailed Grading Formula:

Course Assessment	Total Points	Percentage of Course
LECTURE PORTION	700	70.0%
Lecture Exams (4)	320 (80 points ea.)	32.0 %
Final Exam	100	10.0 %
Quizzes (15)	120 (8 points ea.)	12.0 %
Participation	135	13.5 %
Professionalism	25	2.5 %
LABORATORY PORTION	300	30.0%
Lab Checkout (10)	100 (10 points ea.)	10.0%
Lab Practicals (2)	200 (100 points ea.)	20.0%
TOTAL POINTS	1000	100%

Grading Scale:

- A A Sum of the points earned for course assessments that equals between 900 and 1000 points
- B A Sum of the points earned for course assessments that equals between 800 and 899 points
- C A Sum of the points earned for course assessments that equals between 700 and 799 points
- D A Sum of the points earned for course assessments that equals between 600 and 699 points
- F A Sum of the points earned for course assessments that equals below 600 points.
- I A incomplete may be assigned at the discretion of the instructor in accordance with the policy.
- W A withdrawal may be assigned in accordance with college policy.

Make-Up Policy:

Lecture Exams & Final Exam: Exams must be taken on the scheduled date. If you miss the exam on the scheduled date you may receive a grade of zero (0). Missed exams generally cannot be made up unless there is a documented illness or death in the family. Any variations are at the instructor’s discretion. You will need to contact Dr. Mayer via COM email and receive confirmation to be

considered for make-up exam for the above reasons. Make-up exams must be taken within one week of the missed exam, and will be a different format exam from what was administered in class.

Lab Practicals: Lab practicals are listed in the schedule found in this syllabus. If you miss the lab practical you should expect to receive a grade of zero (0). Any variations are at the professor's discretion.

Quiz: At the end of the semester, the lowest quiz grade is dropped and the highest will count double. No make-up quizzes are available. This is the case even if you desire to take a make-up quiz due to an anticipated or unanticipated absence.

Lab Checkouts: At the end of the semester, the lowest Lab Checkout grade is dropped and the highest will count double. No make-up Lab Checkouts are available. This is the case even if you desire to take a make-up Lab Checkout due to an anticipated or unanticipated absence.

Participation:

An absence for any reason (including illness, work conflicts, etc.) will result in zero (0) points assigned for the day. You cannot receive credit for activities you are not present to participate in. At the end of the semester, you will have an opportunity to earn back up to 5 participation points through an assigned presentation activity.

Attendance Policy:

Your attendance is critical to the success you will have in this course.

- If you reach (3) or more marks of absence you may be dropped from the course at any time.
 - **The only exception is for a documented allowable excuse approved by the instructor (e.g. illness or immediate-relative death in the family), requested within 24 hours of the missed date. Documentation will be required and verified.**
- **Tardiness:**
 - Class begins at **8 AM**.
 - **I will begin** instruction, an assessment, an exam, a quiz, a bonus opportunity, or any activity at **8 AM**.
 - If you are not present in class **by 8:15 AM** you **will** be marked **late**.
 - Tardiness may result in an **absence** if not present when attendance is taken and may prevent you from participation in lab experiments, examinations, or lead to dismissal from class.
 - **If you are late and a quiz, exam, or activity has been administered, time will not be extended.** The assignment will be due at the end of the allotted time as it is for everyone else. Do your best not to eat into your own time.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

Student Learner Outcome (SLO)	Maps to Core Objective(s)	Assessed via this Assignment
1. Use anatomical terminology to identify and describe locations of major organs of each system covered.		Diagram questions on Exam 1, 2, 3, and 4
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.		Exam 1 Essay Questions
3. Describe the interdependency and interactions of the systems.		Group Case Study Activity
4. Explain contributions of organs and systems to the maintenance of homeostasis.	CT	Group Case Study Activity
5. Identify causes and effects of homeostatic imbalances.		Group Case Study Activity
6. Describe modern technology and tools used to study anatomy and physiology.		Muscle Fatigue Lab
7. Apply appropriate safety and ethical standards.		Lab Safety Quiz
8. Locate and identify anatomical structures.		Lab Practical 2
9. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.		Lab Practical 3
10. Work collaboratively to perform experiments.	TW	Disarticulated Skeleton Race Assignment
11. Demonstrate the steps involved in the scientific method.		Bloody Cytology Exercise 4-3
12. Communicate results of scientific investigations, analyze data and formulate conclusions.	CS	Forensic Lab
13. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations, and predictions.	EQS	Forensic Lab

Academic Dishonesty: (Describe your academic dishonesty policy and state consequences if it is violated)

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact [insert name and title of direct supervisor] at [phone number/email address].

Course outline: (include calendar with lecture topics, due dates)

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. <https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Michelle Brezina at 409-933-8124 or mvaldes1@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 5. The last date to withdraw from the 16-week session is November 18. The last date to withdraw for the 2nd 8-week session is December 1.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.