



BIOL-2402-102HY
Anatomy and Physiology II
Spring 2021
Monday 02:00PM-04:50PM Lab (MS143)
Wednesday 02:00PM-04:50PM Lecture (online live chat)

Instructor Information: Dr. James Mubiru, email: jmubiru@com.edu, phone: 346-208-0301

Student hours and location: Monday 1:00PM-02:00PM, Wednesday 1:00PM-02:00PM

Required Textbook/Materials:

- Marieb, E.N. & Hoehn, K., 2019. Human Anatomy and Physiology, 11th ed. **eText**, Boston, MA; Pearson Education, Inc. ISBN-13: 9780134763415. (**eBook via VitalSource in BB**)
- Amerman, E., 2017. Exploring Anatomy & Physiology in the Laboratory, 3rd edition. Englewood, Colorado, Morton Publishing Company (customized for COM) ISBN-13: 978-1-61731-955-6 (**Lab Manual, hard copy only available via the college bookstore**)
- **Web camera** (either built into your computer or attachable) to take exams and practicals.

Course Description: Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Course requirements: (including description of any special projects or assignments)

Lecture Exams & Comprehensive Final Exam via BlackBoard

There are 4 online exams and 1 online comprehensive final exam (CFE). **Exams are administered in BlackBoard (BB) using Respondus Lockdown Browser with Monitor. Your computer must have a built-in webcam or you can purchase an attachable webcam.** Each lecture exam consists of multiple-choice, fill-in-the-blank, matching, true-false, essay, and identification. Test dates are listed in the “what’s due when/?” document.

Online Lecture Quizzes via BlackBoard

There are 4 online lecture quizzes in BlackBoard (BB). Each quiz consists of 25 questions. You will have 60 minutes to answer the questions. Lecture quizzes will be assigned the week prior to an exam. Quiz dates are listed in the “what’s due when/?” document, tests will be open for 7 days (Thursday midnight to Wednesday 11:59pm).

Mastering A&P Assignments

You will have 10 online assignments in the Modified-Mastering A&P. Due dates are listed in the “what’s due when/?” document. **Required online component.** you will access via BB from day one.

Lab Activity and Lab Activity Quizzes (LAQ) via BlackBoard

There are 12 online lab activities. Each activity reinforces the material that will appear on the 2 scheduled lab practicals.

You are responsible for watching all videos uploaded to the Lab Material area for a lab activity. You MUST log into BB to complete the quizzes but are not required to use Respondus.

Lab Practicals via BlackBoard

There will be 2 lab practicals **administered via BlackBoard using Respondus Lockdown Browser with Monitor.** **Your computer must have a built-in webcam or you can purchase an attachable webcam.** If you have a Google Chrome Book, you will need to make arrangement to take exams on a different device as they are not compatible with Respondus.

Weekly Discussions via BlackBoard

There will be 16 weekly discussions. These are not a required component of the course but are the only way to earn extra credit points. Each post will be worth 1 bonus point added to your overall final course grade.

Bonus Points

Bonus points are **not** part of the course requirements but are opportunities to earn extra points will be offered throughout the semester. All bonus points will

Determination of Course Grade/Detailed Grading Formula:

Course Assessment	Total Points	Percentage of Course
LECTURE PORTION	700	70.0%
Syllabus Quiz	5 points	0.5%
Respondus Quiz	5 points	0.5%
Mastering A&P Assignments (10)	200 (20 pts each)	20.0%
Lecture Quizzes (4)	80 (20 pts each)	8.0%
Lecture Exams (4)	360 (90 pts each)	36.0%
Comprehensive Final Exam	50 points	5.0%
LAB PORTION	300	30.0%
Lab Safety Quiz	10 points	1.0%
Online Lab Activity Quizzes (12)	120 (10 pts each)	12.0%
Online Lab Practicals (2)	170 (85 pts each)	17.0%
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** An 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.

Lab Science Policy

This course consists of both a lecture and laboratory grade component. Students must earn a 70% or better in the laboratory component to successfully pass the course. Earning less than 70% in the laboratory component will

result in an F for the course regardless of the lecture grade. Passing the laboratory component and failing the lecture component will not guarantee a passing grade for the course. Deviations from this policy will be at the sole discretion of the instructor.

Late Work, Make-Up, and Extra-Credit Policy:

EXAMS: Exams are administered via BlackBoard. **NO** make-ups are allowed without documentation of an extenuating circumstance such as hospitalization or death in your immediate family.

LAB PRACTICALS: **NO** make-ups are allowed without documentation of an extenuating circumstance such as hospitalization or death in your immediate family.

MISSED ASSIGNMENTS: During week 16, you will be allowed the opportunity to complete any missed assignments **but a 15% late penalty will apply.**

Attendance Policy: .

A student is required to come to lab to complete the face-to-face laboratory exercises required in the laboratory component of this course. Absences in two required lab meetings will result in a "F" for the course grade unless there is a documented excuse approved by the instructor (e.g. illness or death in the family). Being called in at work is not a valid excuse in this course

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.

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1.		
2.		
3.		
4.		
5.		

Academic Dishonesty:

The practice of taking someone else's work or ideas and passing them off as one's own. Plagiarism is a very serious offense. Plagiarism includes paraphrasing someone else's words without giving proper citation, copying directly from a website and pasting it into your paper, using someone else's words without quotation marks. Any assignment containing any plagiarized material will receive a **grade of zero** and the student will be referred to the Office of Student Conduct for the appropriate discipline action. In addition, I am providing you with an internet link to a video on Plagiarism. I would strongly urge you to look this over early in the course.

Link to resource about ways to avoid plagiarism:

<http://en.writecheck.com/ways-to-avoid-plagiarism/>

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 Sheena Abernathy, Chair of the Science Department, at 409-933-8330 or by email: sabernathy@com.edu.

WK	Days	LECTURE Online	LAB On-Campus	LAB Online
1	1/18 to 1/24	CH16: Endocrine System Mastering Asgn 1 DUE		Ex.16-1 endocrine syst Anatomy Ex. 16-2 endocrine syst. Histology LAQ1(Online)
2	1/25 to 1/31	CH:18 The Heart Mastering Asgn 2 DUE	Lab Safety Endocrine Anatomy Both GROUPS!	EX. 17-1. Anatomy of the heart LAQ2 (Online)
3	1/1 to 2/07	CH:19 Blood vessels Mastering Asgn 3 DUE	Ex: 17-1 Heart Anatomy Pig Heart Dissection Group A	Ex-1 heart auscultation Ex. 19-5 ECG Lab Safety Quiz LAQ3 (Online)
4	2/08 to 2/14	CH:17 Blood Mastering Asgn 4 DUE Lecture Quiz 1 (Online) Exam 1 (Online)	Ex: 17-1 Heart Anatomy Pig Heart Dissection Group B	Ex. 18-1 Major arteries EX. 18-2 Major Veins LAQ4 (Online)
5	2/15 to 2/21	CH:20 Lymphatic System Mastering Asgn 5 DUE	Ex: 19-5 ECG EX18-1 &18-2 (Location of arteries & veins) Pulse and blood pressure Group A	Ex14-4 ANS Blood pressure EX 18-5 Pulse Palpation LAQ5 (Online)
6	2/22 to 2/28	CH21: Immunity Mastering Asgn 6 DUE	Ex: 19-5 ECG EX18-1 &18-2 (Location of arteries & veins) Pulse and blood pressure Group B	Ex. 20-1 Formed elements of blood Ex. 20-2 ABO &Rh blood groups Ex. 21-2 Lymphatic organ histology LAQ6 (Online)
7	3/1 to 3/7	CH22: Respiratory system Mastering Asgn 7 DUE	Ex. 20-1 Formed elements of blood Ex. 20-2 ABO &Rh blood groups Ex. 20-3 Murder mystery Group A	Lab Practical 1 (on-line)
8	3/8 to 3/14	Lecture Quiz 2 online Exam 2 online CH23: Digestive system	Ex. 20-1 Formed elements of blood Ex. 20-2 ABO &Rh blood groups Ex. 20-3 Murder mystery Group B	Ex. 22-1 Respiratory system anatomy Ex. 23-2 Measuring Pulmonary volumes/capacities LAQ7 (online)
9	3/22 to 3/28	CH24: Nutrition Mastering Asgn 8 DUE	Cat/Rabbit Dissection Group A	Ex. 24-1 Digestive system anatomy Ex. 2-3 Enzymes and chemical reactions LAQ8 (online)
10	3/29 To 4/4	CH25: The Urinary system	Cat/Rabbit Dissection Group B	Ex. 25-1 Urinary system Anatomy LAQ9 (online)
11	4/5 To 4/11	CH26: Fluid Balance Mastering Asgn 9 DUE	Ex. 25-1 Kidney Dissection Ex. 26-1 Glomerular Filtration, Urinalysis Handout Group A	Ex. 25-1 Urinary System Anatomy LAQ10 (online)

12	4/12 To 4/18	CH27: Reproductive system Lecture Quiz 3 online Exam 3 online	Ex. 25-1 Kidney Dissection Ex. 26-1 Glomerular Filtration, Urinalysis Handout Group B	Ex. 27-1 & 27-2 Male and Female Reproductive Anatomy. LAQ 11 (Online)
13	4/19 to 4/25	CH28: Development Mastering Asgn 10 DUE	Pregnancy Test/Barrier Handout Group A	Ex. 28-1 Fertilization & Implantation, Embryogenesis & Fetal Development. LAQ 12 (online)
14	4/26 to 5/2	CH29: Heredity	Pregnancy Test/Barrier Handout Group B	
15	5/3 to 5/9	Lecture Quiz 4 (Online) Exam 4 (Online)		Lab Practical Study week
16	5/10 to 5/14	Comprehensive Final Exam (Online)		Lab Practical 2 (Online)

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 Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

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 is March 3rd for the 1st 8-week session, April 26 for the 16-week session, and May 5th for the 2nd 8-week session.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N 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 F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N 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.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland’s Coronavirus Information site at www.com.edu/coronavirus. Students are required to watch a training [video](#), complete the [self-screening](#), and acknowledge the safety guidance at: www.com.edu/selfscreen. In addition, students, faculty, and staff must perform a [self-screening](#) prior to each campus visit. Finally, students, faculty, or staff who have had symptoms of COVID-19, received a positive test for COVID-19, or have had close contact with an individual infected with COVID-19 must complete the [self-report tool](#).