UNIVERSITY OF
MARYLAND

Course Information

Course Title: Modern Medicine
Course Number: BSCI279M
Term: *Summer II/2022*
Credits: 3
Course Dates: From Jul 11, 2022 - Jul 29, 2022
Course Times: Synchronous 10am-12:30pm ET

Professor: Genevieve "Ginger" Houston-Ludlam, Ph.D.
Pronouns: she/her/hers
Email: gingerhl@umd.edu
Office Hours: M-F 1pm-2pm or by appointment
Classroom: Zoom

TA: Josephine "Josie" Vallejo
Pronouns: she/her/hers
Email: jvallejo@terpmail.umd.edu
Office Hours: M-F 6-7pm or by appointment

Course Description

What causes disease? How do we diagnose and treat disease? This course will explore human biological systems, functions, and issues such as cancer, diabetes, obesity, and neurological disorders. We will explore the genetic, infectious and environmental causes of disease, and learn how various research laboratories on campus use modern scientific techniques to unravel these mysteries. The program is completely online, so we will be using a series of virtual laboratory simulations to perform labwork. At the end of the course, each student (in a group of 2-3 students) will make a 3-5 minute presentation on a topic of their own interest. This course is designed for rising High school juniors and seniors.

Course Objectives

After successfully completing this course you will be able to:

1. Differentiate the two basic categories of disease
2. Explore fundamental concepts of science in the context of Human Anatomy and Physiology
3. Evaluate the differences between classes of pathogens and apply to the course of disease symptoms
4. Recognize common diseases that affect different organ systems
5. Communicate scientific concepts or medical content to peers
6. Successfully interact with college course material and learning management system

Required Resources

- Course Website: elms.umd.edu

- Required e-Text:

- ○ Modified Mastering A&P with Pearson eText for Human Anatomy & Physiology (18-Weeks)
    - ■ ISBN-13: 9780136782056
- ○ **To purchase access:** Go to the course Canvas Page, click on the MyLab and Mastering tab, open MyLab and Mastering. They will give you several options for purchasing the text- pick the one that is $69.99- 18 week access with e-text. They will then ask you to register and pay. Be sure to use the email address associated with your Canvas account. Once you finish your order, you should get a confirmation email.
- **Required Labs: Labster 10-**Lab license
    - ○ **To purchase access:** $55.50. When you access the first lab, you will be asked to and pay. Be sure to use the email address associated with your Canvas account. Once you finish your order, you should get a confirmation email.

Course Structure

This course meets live daily from 10am through 12:30pm via Zoom. The flexible framework does not require you to be in a specific location to participate; however, you must have access to a full-screen computer or tablet for each live session. (If you use a tablet for the live session, you must be comfortable typing responses on it.) The online nature of this class will push you to take an active role in the learning process. You will do this by engaging and collaborating with other students and the instructor on a regular basis both, in live sessions, as well as through group work and activities.

You should expect to spend several hours every day on readings, quizzes, and written assignments, plus additional time during the weekends. This is in line with college courses, which typically require 2 hours outside of class for every hour in class.

Please check the course website regularly. Online quizzes, readings, rubrics, lecture slides and assignments will be posted and updated there. You can set up your account to notify you when announcements are posted on Canvas

PLEASE NOTE: The University of Maryland policies related to academic dishonesty apply to all assignments in this course. Students are to perform their own work and should not copy from any available source of information or another student. Collaboration and group learning are encouraged, but all answers must be of the individual student's own words. Students with any questions about this policy when performing the work assigned should contact the instructors for assistance.

Tips for Success in an Online Course

1. **Participate.** Discussions and group work are a critical part of the course. You can learn a great deal from discussing ideas and perspectives with your peers and professor. Participation can also help you articulate your thoughts and develop critical thinking skills.

2. **Manage your time.** Make time for your online learning and participation in discussions each week. Give yourself plenty of time to complete assignments including extra time to handle any technology related problems.
3. **Login regularly.** Log in to ELMS-Canvas several times a day to view announcements, discussion posts and replies to your posts.
4. **Do not fall behind.** This is an accelerated class that moves at a very quick pace and each day builds on the previous. It will be hard to keep up with the course content if you fall behind in the pre-work or post-work.
5. **Use ELMS-Canvas notification settings.** Canvas ELMS-Canvas can ensure you receive timely notifications in your email or via text. Be sure to enable announcements to be sent instantly.
6. **Ask for help if needed.** If you need help with ELMS-Canvas or other technology, IT Support. If you are struggling with a course concept, reach out to me, the TA and your classmates, for support.

Campus Policies

It is our shared responsibility to know and abide by the University of Maryland's policies that relate to all courses, which include topics like:

- Academic integrity
- Student and instructor conduct
- Accessibility and accommodations
- Attendance and excused absences
- Grades and appeals
- Copyright and intellectual property

Please visit www.ugst.umd.edu/courserelatedpolicies.html for the Office of Undergraduate Studies' full list of campus-wide policies and follow up with me if you have questions.

Course-Specific Policies

Academic Integrity
For this course, some of your assignments will be collected via Turnitin on our course ELMS page. I have chosen to use this tool because it can help you improve your scholarly writing and help me verify the integrity of student work. For information about Turnitin, how it works, and the feedback reports you may have access to, visit Turnitin Originality Checker for Students

Names/Pronouns and Self-Identifications
The University of Maryland recognizes the importance of a diverse student body, and we are committed to fostering inclusive and equitable classroom environments. I invite you, if you wish, to tell us how you want to be referred to both in terms of your name and your pronouns (he/him, she/her, they/them, etc.). The pronouns someone indicates are not necessarily indicative of their gender identity. Visit trans.umd.edu to learn more.

Additionally, how you identify in terms of your gender, race, class, sexuality, religion, and dis/ability, among all aspects of your identity, is your choice whether to disclose (e.g., should it come up in

classroom conversation about our experiences and perspectives) and should be self-identified, not presumed or imposed. I will do my best to address and refer to all students accordingly, and I ask you to do the same for all of your fellow Terps.

Communication with Instructor:

Email: If you need to reach out and communicate with me, please email me at gingerhl@umd.edu. Please DO NOT email me with questions that are easily found in the syllabus or on ELMS (i.e. When is this assignment due? How much is it worth? etc.) but please DO reach out about personal, academic, and intellectual concerns/questions. While I will do my best to respond to emails within 24 hours, you will more likely receive email responses from me on Mondays, Wednesdays and Fridays from 8:00am-10:00am EST

ELMS: I will send IMPORTANT announcements via ELMS messaging. You must make sure that your email & announcement notifications (including changes in assignments and/or due dates) are enabled in ELMS so you do not miss any messages. You are responsible for checking your email and Canvas/ELMS inbox with regular frequency.

Communication with Peers:

With a diversity of perspectives and experience, we may find ourselves in disagreement and/or debate with one another. As such, it is important that we agree to conduct ourselves in a professional manner and that we work together to foster and preserve a virtual classroom environment in which we can respectfully discuss and deliberate controversial questions.

I encourage you to confidently exercise your right to free speech—bearing in mind, of course, that you will be expected to craft and defend arguments that support your position.   Keep in mind, that free speech has its limit and this course is NOT the space for hate speech, harassment, and derogatory language. I will make every reasonable attempt to create an atmosphere in which each student feels comfortable voicing their argument without fear of being personally attacked, mocked, demeaned, or devalued.

Any behavior (including harassment, sexual harassment, and racially and/or culturally derogatory language) that threatens this atmosphere will not be tolerated. Please alert me immediately if you feel threatened, dismissed, or silenced at any point during our semester together and/or if your engagement in discussion has been in some way hindered by the learning environment.

Grading Structure

Assignment	Points
Homework assignments (10 points EC available)	110
Lab Reports	100
Quizzes (lowest score dropped)	50

Team Presentation	40
Final Exam	50
Total	**350**

Academic Integrity

The University's **Code of Academic Integrity** is designed to ensure that the principles of academic honesty and integrity are upheld. In accordance with this code, the University does not tolerate academic dishonesty. Please ensure that you fully understand this code and its implications because all acts of academic dishonesty will be dealt with in accordance with the provisions of this code. All students are expected to adhere to this Code. It is your responsibility to read it and know what it says, so you can start your professional life on the right path. **As future professionals, your commitment to high ethical standards and honesty begins with your time at the University of Maryland, College Parh.**

It is important to note that course assistance websites, such as CourseHero, are not permitted sources, unless the instructor explicitly gives permission for you to use one of these sites. Material taken or copied from these sites can be deemed unauthorized material and a violation of academic integrity. These sites offer information that might not be accurate and that shortcut the learning process, particularly the critical thinking steps necessary for college-level assignments.

Additionally, it is understandable that students may use a variety of online or virtual forums for course-wide discussion (e.g., GroupME or WeChat). Collaboration in this way regarding concepts discussed in this course is permissible. However, collaboration on graded assignments is strictly prohibited unless otherwise stated. Examples of prohibited collaboration include: looking up answers online during quizzes or exams, copying information verbatim from books, websites or other students, asking classmates for answers on quizzes or exams, asking for access codes to clicker polls, etc.

Finally, on each exam or assignment you must write out and sign the following pledge:

"I pledge on my honor that I have not given or received any unauthorized assistance on this exam/assignment."

Please visit the **Office of Undergraduate Studies' full list of campus-wide policies** and follow up with me if you have questions.

To help you avoid unintentional violations, *the following table* lists levels of collaboration that are acceptable for each type of assignment. If you ever feel pressured to comply with someone else's academic integrity violation, please reach out to me straight away. Also, *if you are ever unclear* about acceptable levels of collaboration, ***please ask***!

* = You may work in groups and discuss the material, but the written graded work must be done individually.	OPEN NOTES	USE BOOK	SEARCH ONLINE	ASK FRIENDS	WORK IN GROUPS
Homework Assignments and Lab Reports	✔	✔	✔	*	*

Quizzes and Final Exam	✘	✘	✘	✘	✘
Team Project	✔	✔	✔	✔	✔

Grades

All assessment scores will be posted on the course ELMS page. If you would like to review any of your grades (including the exams), or have questions about how something was scored, please email me to schedule a time for us to meet and discuss.

Late work will not be accepted for course credit so please plan to have it submitted well before the scheduled deadline. I am happy to discuss any of your grades with you, and if I have made a mistake I will immediately correct it. Any formal grade disputes must be submitted in writing and within one week of receiving the grade.

Final letter grades are assigned based on the percentage of total assessment points earned. To be fair to everyone I have to establish clear standards and apply them consistently, so please understand that being close to a cutoff is not the same as making the cut (89.99 ≠ 90.00). It would be unethical to make exceptions for some and not others.

Final Grade Cutoffs (points)									
+	340	+	305	+	270	+	235		
A	315	B	280	C	245	D	210	F	<210

Resources & Accommodations

Accessibility and Disability Services

The University of Maryland is committed to creating and maintaining a welcoming and inclusive educational, working, and living environment for people of all abilities. The University of Maryland is also committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the University, or be subjected to discrimination. The **Accessibility & Disability Service (ADS)** provides reasonable accommodations to qualified individuals to provide equal access to services, programs and activities. ADS cannot assist retroactively, so it is generally best to request accommodations several weeks before the semester begins or as soon as a disability becomes known. Any student who needs accommodations should contact me as soon as possible so that I have sufficient time to make arrangements.

For assistance in obtaining an accommodation, contact Accessibility and Disability Service at 301-314-7682, or email them at **adsfrontdesk@umd.edu**. Information about **sharing your accommodations with instructors**, **note taking assistance** and more is available from the **Counseling Center**.

Student Resources and Services

Taking personal responsibility for you own learning means acknowledging when your performance does not match your goals and doing something about it. I hope you will come talk to me so that I can help you find the right approach to success in this course, and I encourage you to visit **UMD's Student Academic Support Services website** to learn more about the wide range of campus resources available to you.

In particular, everyone can use some help sharpen their communication skills (and improving their grade) by visiting **UMD's Writing Center** and schedule an appointment with the campus Writing Center.

You should also know there are a wide range of resources to support you with whatever you might need (**UMD's Student Resources and Services website** may help). If you feel it would be helpful to have someone to talk to, visit **UMD's Counseling Center** or **one of the many other mental health resources on campus**.

Technology Policy

Please refrain from using cellphones, laptops, and other electronic devices during class sessions unless we have designated such use as part of a class exercise.

Netiquette Policy

Netiquette is the social code of online classes. Students share a responsibility for the course's learning environment. Creating a cohesive online learning community requires learners to support and assist each other. To craft an open and interactive online learning environment, communication has to be conducted in a professional and courteous manner at all times, guided by common sense, collegiality and basic rules of etiquette.

Participation

- Given the interactive style of this class, attendance will be crucial to note-taking and thus your performance in this class. Attendance is particularly important also because class discussion will be a critical component for your learning.

- Each student is expected to make substantive contributions to the learning experience, and attendance is expected for every session.

- Students with a legitimate reason to miss a live session should communicate in advance with the instructor, except in the case of an emergency.

- Students who miss a live session are responsible for learning what they miss from that session. Sessions will be recorded, however if we have a technical glitch (loss of internet connection, inadequate disk space, Murphy's Law, etc.) the material is still your responsibility.

- Additionally, students must complete all readings and assignments in a timely manner in order to fully participate in class.

Course Evaluation

Please submit a course evaluation through CourseEvalUM in order to help faculty and administrators improve teaching and learning at Maryland. All information submitted to CourseEvalUM is confidential. Campus will notify you when CourseEvalUM is open for you to complete your evaluations for fall semester courses. Please go directly to the **Course Eval UM website** to complete your evaluations. By completing all of your evaluations each semester, you will have the privilege of accessing through

Testudo, the evaluation reports for the thousands of courses for which 70% or more students submitted their evaluations.

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