

# HISTORICAL GEOLOGY: HISTORY OF THE EARTH AND LIFE (GEOL 102)

Term: Spring 2025

Instructor: Dr. Thomas R. Holtz, Jr., Principal Lecture, Department of Geology Pronouns: he/him Office Phone: 301-405-6965 Email: tholtz@umd.edu Office Hours: Thursdays 12:30-1:30 pm, CHM 1225B or by appointment

Credits: 4 Course Dates: From Jan 27, 2024 - May 12, 2024 Course Times: MWF 9-9:50 am, Lab W 2-5 pm Classroom: Lecture CCC 1115, Lab GEO 2107



#### **Course Description**

Welcome to GEOL 102 Historical Geology. This course focuses on the methods we employ in Geology to track geologic time and the changes to organization of the continents and oceans, the rise and fall of mountain ranges, the evolution and extinction of life, and the changes of environments from the local to planetary scale which rocks encode.

This course examines how geologists apply diverse techniques to unravel the patterns and processes of geologic change over time. We will explore several big themes:

- The scale of geologic and evolutionary time
- The nature of the geologic record as the physical representation of the changing environments of Earth's past
- The interaction between the lithosphere, hydrosphere, atmosphere, and biosphere over time
- What an understanding of Earth's history can reveal about modern environmental conditions

Historical Geology is a foundational course for the major. Many of your later courses—Sedimentology & Stratigraphy, Structural Geology, Geochemistry, Field Geology, and perhaps even your Senior Thesis—will draw upon methods, concepts, and terms derived from this class.

#### Learning Outcomes

After successfully completing this course, you will be able to:

- Identify the major techniques used by geologists to assess the paleoenvironments and sequence of events found in the rock record
- Recognize the sequence of and interrelationships between major events in the history of the Earth, its surface, and its life forms
- Properly classify different types of sedimentary rocks & structures and major groups of fossilizing organisms from hand samples
- Correctly interpret geological cross-sections, fence-diagrams & other stratigraphic charts, and geologic maps

# **Required Resources**

- Course Website: <u>https://geol.umd.edu/~tholtz/G102</u> and <u>elms.umd.edu</u>
- Book: *Earth System History 4th Edition* by Steven M. Stanley & John A. Luczaj (2015, W.H. Freeman & Co., ISBN-13 978-1429255264)
- Additional Equipment: For the lab, it would be helpful to have a 10x handlens for observing specimens (higher magnifications are also useable). There is a very reasonably priced set of handlenses you can get on Amazon.com at <a href="https://www.amazon.com/dp/B07KLPJ1PG/ref=dp\_prsubs\_2">https://www.amazon.com/dp/B07KLPJ1PG/ref=dp\_prsubs\_2</a>, but you can find them at other sources, too. A colored pencil set and a ruler/straight edge will be helpful for labs. Access to a flattop scanner to make uploadable versions of your maps and charts would be useful: most printers have this function.
- Total Estimated costs of required course materials: \$20.00 + textbook (options vary)

#### **Course Structure**

Lectures: 3 per week (MWF 9-9:50 am, CCC 1115); Labs: 1 per week (W 2-5 pm, GEO 2107); 1 optional field trip on April 6<sup>th</sup>.

Lectures lost due to University late openings or cancellations or instructor absence will be made up as Panopto video recordings on the ELMS page.

Attendance in lecture is expected. The individual PowerPoints will not be provided to students, although there are detailed lecture notes online and Panopto recordings of the lectures will be available on ELMS. Furthermore, the Questions of the Day (QotDs) will only be provided during lecture. If you want to achieve a good grade in the course, the time to start working towards that is from the very beginning! Keep up with the material as it is presented rather than "cramming" to study it right before exams.

Attendance in labs is mandatory. Some materials will only be available during the lab session (for fear of loss or breakage). Additionally, the start of each lab will be an explanatory lecture of the methods and issues to be examined. Please make certain you are present for these; if not, make sure you get notes from classmates and make arrangements with Dr. Holtz if there are particular specimens you'll need to see.

**NOTE**: Attendance means more than mere presence: it means "paying attention". Please take out your ear buds and refrain from texting/web-browsing/doing homework/etc. in class.

Since we have the Questions of the Day each lecture and since the labs are provided on ELMS, you should have a smartphone, tablet, or laptop (best option!) available when you are in class and lab. However, during classtime, please refrain from email, social media, online shopping, streaming videos, and other such communication outside the scope of the course, or from working on material for other courses. In other words, please restrict your computer use to the activities of THIS class.

# Tips for Success in this Course

- 1. **Participate.** I invite you to engage deeply, ask questions, and talk about the course content with your classmates. 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. Students are often very busy, and I understand that you have obligations outside of this class. However, students do best when they plan adequate time that is devoted to course work. Block your schedule and set aside plenty of time to complete assignments including extra time to handle any technology related problems.
- 3. Login regularly. I recommend that you log in to ELMS-Canvas several times a week to view announcements, answer your Questions of the Day, keep up with the lecture notes, and answer the weekly online homework.
- 4. **Do not fall behind.** This class moves at a quick pace and each week builds on the previous content. If you feel you are starting to fall behind, check in with the instructor as soon as possible so we can troubleshoot together. 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. Pro tip! Canvas ELMS-Canvas can ensure you receive timely notifications in your email or via text. Be sure to enable announcements to be sent instantly or daily.
- 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 and your classmates for support.

# Policies and Resources for Undergraduate Courses

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

# **Course Guidelines**

# 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 in this class, both in terms of your name and your pronouns (he/him, she/her, they/them, etc.). Keep in mind that the pronouns someone uses are not necessarily indicative of their gender identity. Visit <u>trans.umd.edu</u> to learn more.

Additionally, it is your choice whether to disclose how you identify in terms of your gender, race, class, sexuality, religion, and dis/ability, among all aspects of your identity (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 <u>tholtz@umd.edu</u> or (preferred) using the Inbox email function of ELMS. 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 morning after you send an email message.

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.

# **Major Assignments**

**Midterm Exams** (20% each): Two online exams on March 4-5 and April 10-11, respectively. For each of these there will be a section comprised of true/false, matching, multiple choice, and similar type questions, as well as a few short answer questions and an essay. These exams are open note but timed (60 minutes) and are subject to the University's Honor Pledge; you may not seek help from students or other people in doing these. If you encounter a technical problem, please contact <u>ELMS@umd.edu</u> for help (and Dr. Holtz so that he is aware of your situation.

**Final Exam** (20%): The online final exam during the regularly scheduled exam season. It is cumulative for the entire course, although it focuses on material from the second exam onward. Format is similar to the mid-term exams, but will be timed for 120 minutes. The exam will be available **TUESDAY to WEDNESDAY MAY 14-15**: please plan your end-of-semester travel (if any...) accordingly!! (It that means informing your parents about this now, please do so!).

**Labs** (20%): Essentially every week there will be a lab. Labs are due the week after they are assigned, allowing students time to examine specimens over the course of the week if they wish. There is no separate lab manual for this course: lab materials (pdfs) are provided on ELMS. Labs are turned in on ELMS: either as entries or uploads in an ELMS "quiz".

**Pre-Course Knowledge Survey** (2%): In order to assess your current knowledge and memory of the pre-requisite knowledge for this course, an ELMS survey is assigned covering issues of basic physical geology. This must be completed by the end of the first Thursday of classes (**Jan. 30**). The goal here is to see what you know and remember: you are graded for having completed the survey, not your answers on the survey. DO NOT PANIC! But do not use outside sources: the task here is to see what you remember of previous geology courses.

**Quizzes** (10%): Weekly quizzes will be given on ELMS, starting in the second Friday of classes (except for weeks in which there is an also a mid-term exam). The quizzes might include information from the labs but emphasizes the material from the lectures. These will typically be multiple choice, fill-in-the-blank, matching, or true/false. The lowest quiz will automatically be dropped: this is how missed quizzes will be accommodated.

**Questions of the Day (QotD)** (8% total): During each lecture there will be one or more brief question shown on the screen. Depending on the particular question, you might submit your answer on your own to ELMS, or after discussing it with a classmate nearby. You will have only a short window in which to answer the question. The format of the question can be true/false, fill-in-the-blank, multiple choice, or more open-ended. In some cases, we'll review your submissions as a point of in-lecture discussion. For the pre-recorded Panopto lectures, the QotDs will be Panopto quizzes.

The **lowest five (5)** grades of your QotDs will be automatically dropped. This is how absence from lecture will be handled. In other words, you don't separately ask for an excused absence for these. **NOTE**: facilitating fellow students who are not present in answering these questions remotely is absolutely an Honor Code violation and will result in action taken against you and the student receiving the at-a-distance help. Individual these are low-point assignments, so it is much better to lose a few points than to risk a course grade of "XF" on your University transcript!

**Extra Credit**: No separate extra credit assignments as such planned for this course, although individual exams and homework assignments may have extra credit questions that add up in the final course grade.

# **Grading Structure**

Assignment	Percentage %
Midterm Exam 1	20%
Midterm Exam 2	20%
Final Exam	20%
Labs	20%
Pre-Course Knowledge Survey	2%
Quizzes	10%
Questions of the Day (QotDs)	8%
Total	100%

# **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 of Maryland 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.

It is important to note that course assistance websites, such as CourseHero, or AI generated content (such as ChatGPT, Meta's LLaMa, and the like) are not permitted sources. Material taken or copied from these sites can be deemed unauthorized material and a violation of academic integrity. Please note that these systems are NOT search engines and are not designed to delivery factual information: instead, they are <u>created to deliver a facsimile of human communication, without regards to its truth</u>. Using these sources will hamper your learning process, particularly the critical thinking steps necessary for college-level assignments. The point of assignments is for you to be able to develop your skills in marshalling arguments and understanding the concepts and techniques covered in this program, not for you to simply provide us with answers we already know.

Additionally, students may naturally choose to use online forums for course-wide discussions (e.g., Group lists or chats) to discuss concepts in the course. However, collaboration on graded assignments is strictly prohibited unless otherwise stated. Examples of prohibited collaboration include: asking classmates for answers on quizzes or exams, asking for access codes to clicker polls, etc. Please visit the <u>Office of Undergraduate Studies' full list of campus-</u><u>wide policies</u> and reach out if you have questions.

Finally, on each exam and other large assignments 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." 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*! To help you avoid unintentional violations, *the following table* lists levels of collaboration that are acceptable for each graded exercise. Each assignment will contain more specific information regarding acceptable levels of collaboration.

	OPEN NOTES	USE BOOK	LEARN	GATHER CONTENT With AI	ASK FRIENDS	WORK IN GROUPS
Pre-Course Knowledge Survey						
Quizzes	$\checkmark$	$\checkmark$				
QotDs						
Labs	$\checkmark$	$\checkmark$	$\checkmark$		<b>√</b> 1	<b>V</b> 1
Exams	$\checkmark$	$\checkmark$				

<sup>1</sup>On labs, you may discuss the materials with each other and help each other out, but in the end the observations and calculations you make must be your own.

### 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. (Please contact me as soon as possible if some issue came up that prevented your timely submission of an assignment.) I am happy to discuss any of your grades with you, and if I have made a mistake, I will correct it as soon as possible. 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 ( $89.99 \neq 90.00$ ). It would be unethical to make exceptions for some and not others.

Final Grade Cutoffs									
+	97.00%	+	87.00%	+	77.00%	+	67.00%	+	
А	93.00%	В	84.00%	С	73.00%	D	63.00%	F	<60.0%
-	90.00%	-	80.00%	-	70.00%	-	60.00%	-	

# **Course Outline**

# Date Topic

Jan. 27	Lecture: Introduction: It's About Time
	Reading: Chap. 1
Jan. 29	Lecture: Every Rock is a Record of History: Historical Approaches to Lithology
	Lab: Introduction to Lab; Sedimentary Rock Classification
	Reading: Chap. 2
Jan. 30	Pre-Course Knowledge Survey due on ELMS
Jan. 31	Lecture: Terrestrial Sedimentary Environments
	Reading: Chap. 5
Feb. 3	Lecture: Fluvial & Deltaic Environments; Walther's Law
	Reading: Chap. 5

Feb. 5	Lecture: Coastal & Marine Environments; Transgressions & Regressions
	Lab: Sedimentary Structures & Depositional Environments
	Reading: Chap. 5
Feb. 7	Lecture: Physical Stratigraphy
	Reading: Chap. 6
	Quiz 1 due
Feb. 10	Lecture: Index Fossils, Correlations & Radiometric Dating
	Reading: Chap. 6
Feb. 12	Lecture: Lithostratigraphy, Biostratigraphy & the Geologic Timescale
	Lab: The Ordering of Geological Events
	Reading: Chap. 6
Feb. 14	Lecture: Another Geography: Plate Tectonics
	Reading: Chap. 8
	Quiz 2 due
Feb. 17	Lecture: Every Valley Shall Be Exalted: Orogenesis I
	Reading: Chap. 9
Feb. 19	Lecture:And Every Mountain & Hill Made Low: Orogenesis II & Geochemical Cycles
	Lab: Biostratigraphy, Geochronology, Magnetostratigraphy
	Reading: Chap. 9, 10
Feb. 21	Lecture: Fossils & Fossilization
	Reading: Chaps. 3, 4
	Quiz 3 due
Feb. 24	Lecture: Evolution I: On the Origin of Species by Means of Natural Selection
	Reading: Chaps. 7
Feb. 26	Lecture: Evolution II: Patterns, Processes & Phylogeny
	Lab: Physical Stratigraphy
	Reading: Chap. 7
Feb. 28	Lecture: Strange Eons: Introduction to the Precambrian & the Hadean Eon [LECTURE PRE- RECORDED; please watch on Panopto on ELMS]

	Reading: Chap. 11
	Quiz 4 due
Mar. 3	Lecture: The Archean Eon I [LECTURE PRE-RECORDED; please watch on Panopto on ELMS]
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	Reading: Chap. 11
Mar. 4-5	MIDTERM EXAM 1: Available online Mar. 4-5
Mar. 5	Lecture: The Archean Eon II
	Lab: Introduction to Paleontology: Fossils and Fossilization
	Reading: Chap. 11
Mar. 7	Lecture: The Proterozoic Eon I
	Reading: Chap. 12
Mar. 10	Lecture: The Proterozoic Eon II
	Reading: Chap. 12
Mar. 12	Lecture: The Proterozoic Eon III
	Lab: Common Fossilizing Organisms I
	Reading: Chap. 12
Mar. 14	Lecture: The Early Paleozoic Era I
	Reading: Chap. 13
	Quiz 5 due
Mar. 17-	SPRING BREAK
21	
Mar. 24	Lecture: The Early Paleozoic Era II
	Reading: Chap. 13
Mar. 26	Lecture: The Middle Paleozoic Era I
	Lab: Common Fossilizing Organisms II
	Reading: Chap. 14
Mar. 28	Lecture: The Middle Paleozoic Era II
	Reading: Chap. 14
	Quiz 6 due

Mar. 31	Lecture: The Late Paleozoic Era I [LECTURE PRE-RECORDED; please watch on Panopto on ELMS]
	Reading: Chap. 15
Apr. 2	Lecture: The Late Paleozoic Era II [LECTURE PRE-RECORDED; please watch on Panopto on ELMS]
	Lab: Applied Paleontology
	Reading: Chap. 15
Apr. 4	Lecture: The Late Paleozoic Era III [LECTURE PRE-RECORDED; please watch on Panopto on ELMS]
	Reading: Chap. 15
	Quiz 7 due
Apr. 7	Lecture: The Late Paleozoic Era IV & Early Mesozoic Era I [LECTURE PRE-RECORDED; please watch on Panopto on ELMS]
	Reading: Chap. 15, 16
Apr. 9	Lecture: Early Mesozoic Era II
	Lab: Geologic Map Interpretation
	Reading: Chaps. 16
Apr. 10- 11	MIDTERM EXAM 2: Available online 4/10-11
Apr. 11	Lecture: The Early Mesozoic Era III
	Reading: Chap. 16
Apr. 14	Lecture: The Cretaceous Period I
	Reading: Chap. 17
Apr. 16	Lecture: The Cretaceous Period II
	Lab: Appalachian & Other Paleozoic Geology
	Reading: Chap. 17
Apr. 18	Lecture: The Cretaceous Period III
	Reading: Chap. 17
	Quiz 8 due
Apr. 21	Lecture: The Paleogene Period I

	Reading: Chap. 16
Apr. 23	Lecture: The Paleogene Period II
	Lab: Post-Paleozoic & Cordilleran Geology
	Reading: Chap. 18
Apr. 25	Lecture: The Neogene Period I
	Reading: Chap. 19
	Quiz 9 due
Apr. 26 (Sat)	Optional Field Trip to Neoproterozoic-to-Triassic Outcrops in Western Maryland
Apr. 28	Lecture: The Neogene Period II
	Reading: Chap. 19
Apr. 30	Lecture: The Quaternary Period I
	Lab: Quaternary Geology and Climate Change
	Reading: Chap. 20
May 2	Lecture: The Quaternary Period II
	Reading: Chap. 20
	Quiz 10 due
May 5	Lecture: To the Anthropocene and Beyond!
	Reading: Chap. 20
May 7	Lecture: Historical Geology of Maryland
	Lab: Field Trip: Lower Cretaceous Deposits of Dinosaur Park, Laurel, MD
May 9	Lecture: Historical Geologic Tour of North America
	Quiz 11 due
May 12	Lecture: Course Review and New Discoveries
May 14- 15	FINAL EXAM: Available online 5/14-15

Note: This is a tentative schedule, and subject to change as necessary – monitor the course ELMS page for current deadlines. In the unlikely event of a prolonged university closing, or an extended absence from the university, adjustments to the course schedule, deadlines, and assignments will be made based on the duration of the closing and the specific dates missed.

# GEOL102 Laboratory Information: GEO 2107 2:00-5:00 pm

# Lab Supplies

- Lab Manual: There is no separate lab manual to buy this semester. You will be provided with background readings and videos on ELMS, as well as a packet of questions to answer. The answers for the lab are due online on ELMS; some will be entered as online quiz questions; others will require you to scan and upload charts, maps, etc.
- Hand Lens: A 10x handlens for observing specimens is very useful, although you can go with higher magnification if you wish. There is a very reasonably priced set of handlenses you can get on Amazon.com at <a href="https://www.amazon.com/dp/B07KLPJ1PG/ref=dp">https://www.amazon.com/dp/B07KLPJ1PG/ref=dp</a> prsubs 2, but you can find them at other sources, too.
- (Recommended) Drawing Tools: A colored pencil set, and a ruler/straight edge will be helpful in some of the labs.
- **Recommended:** Access to a scanner to make uploadable versions of your maps and charts.

# Lab Policies

- The point of the lab is to hone your skills as an observer and to teach you the methods of the field. It is vital that you actually examine the specimens yourselves so that you can discern the various features and attributes of the rocks and fossils.
- Please read the introductory material on ELMS by the time we meet in lab.
- Labs are due the next lab meeting (1 week later). If they are turned in by the next class time after that (Friday) there will be a 10% grade reduction; on the following Monday, a total of 30% grade reduction; and a full week late will garner a 50% grade penalty. Labs won't be accepted for a grade later than 1 week overdue (barring legitimate extenuating circumstances.)
- You are encouraged to collaborate and interact with each other and with Dr. Holtz while working on the labs. However, all work you turn in must be your own.
- If you are having problems, don't be shy; ask for help!
- DON'T be a specimen hog! Make sure that others get adequate access to the hand samples.
- ALWAYS return specimens to their appropriate boxes.
- We have limited samples, so please be careful with them. Doubly so with the fossils!!
- Use the dilute HCl wisely:
  - Use small drops, only leave it on long enough to validate whether there is effervescence or not; and wipe it up afterwards.
    - Leaving acid on the hand samples will allow the reaction to run its course and leave a reaction rind on the rock. This will mislead students in the future)
  - In general, only use acid on fresh surfaces
  - Unless directed, please don't drop acid on the fossils.

# **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 <u>adsfrontdesk@umd.edu</u>. Information about <u>sharing your accommodations with instructors, note taking</u> <u>assistance</u> and more is available from the <u>Counseling Center</u>.

### **Student Resources and Services**

Taking personal responsibility for your 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 <u>UMD's Student Academic Support Services website</u> to learn more about the wide range of campus resources available to you.

In particular, everyone can use some help sharpening their communication skills (and improving their grade) by visiting <u>UMD's Writing Center</u> 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 (<u>UMD's</u> <u>Student Resources and Services website</u> may help). If you feel it would be helpful to have someone to talk to, visit <u>UMD's Counseling Center</u> or <u>one of the many other mental health resources on campus</u>.

# **Notice of Mandatory Reporting**

Notice of mandatory reporting of sexual assault, sexual harassment, interpersonal violence, and stalking: As a faculty member, I am designated as a "Responsible University Employee," and I must report all disclosures of sexual assault, sexual harassment, interpersonal violence, and stalking to UMD's Title IX Coordinator per University Policy on Sexual Harassment and Other Sexual Misconduct.

If you wish to speak with someone confidentially, please contact one of UMD's confidential resources, such as <u>CARE</u> to <u>Stop Violence</u> (located on the Ground Floor of the Health Center) at 301-741-3442 or the <u>Counseling Center</u> (located at the Shoemaker Building) at 301-314-7651.

You may also seek assistance or supportive measures from UMD's Title IX Coordinator, Angela Nastase, by calling 301-405-1142, or emailing titleIXcoordinator@umd.edu.

To view further information on the above, please visit the <u>Office of Civil Rights and Sexual Misconduct's</u> website at <u>ocrsm.umd.edu</u>.

#### **Basic Needs Security**

If you have difficulty affording groceries or accessing sufficient food to eat every day, or lack a safe and stable place to live, please visit <u>UMD's Division of Student Affairs website</u> for information about resources the campus offers you and let me know if I can help in any way.

# **Veteran Resources**

UMD provides some additional supports to our student veterans. You can access those resources at the office of <u>Veteran Student life</u> and the <u>Counseling Center</u>. Veterans and active-duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, disabilities) are welcome and encouraged to communicate these, in advance if possible, to the instructor.

### **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.
- Additionally, students must complete all readings and assignments in a timely manner in order to fully participate in class.
- Since we have the Questions of the Day each lecture, you should have a smartphone, tablet, or laptop
  available when you are in class. However, during classtime, please refrain from email, social media, online
  shopping, streaming videos, and other such communication outside the scope of the course, or from
  working on material for other courses. In other words, please restrict your computer use to the activities of
  THIS class.
- As part of the nature of the course, there will be a lot of memorization (less than a foreign language class, but more than that found in more mathematically-oriented introductory science classes). This will include lots of anatomical, geological, and paleontological terms, as well as evolutionary and temporal relationships. If you have difficulty memorizing, this may not be the class for you. Also, if there are words or concepts with which you are not familiar, feel free to ask Dr. Holtz (in class, after class, over email, etc.) for an explanation or clarification.

#### **Course Evaluation**

Please submit a course evaluation through Student Feedback on Course Experiences in order to help faculty and administrators improve teaching and learning at Maryland. All information submitted to Course Experiences is confidential. Campus will notify you when Student Feedback on Course Experiences is open for you to complete your evaluations at the end of the semester. Please go directly to the <u>Student Feedback on Course Experiences</u> 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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