ES202 – PRINCIPLES OF GEOLOGY (4 Credits, CRN 20412)
SEDIMENTARY GEOLOGY AND EARTH SURFACE PROCESSES
POLICIES AND PROCEDURES
Winter Term 2024 - Western Oregon University – **Jan. 8 to March 22** – Hybrid Online

INSTRUCTOR: Dr. S. Taylor
OFFICE HOURS: M, T, W 12-1 P.M.
By appointment

OFFICE: Rm 210 Natural Sciences Bldg
PHONE: (w) 838-8398 (cell) 541-760-9216
FACULTY WEB SITE: www.wou.edu/taylor
E-MAIL: taylors@wou.edu

TAYLOR PERSONAL OFFICE ZOOM MEETING URL:
https://wou-edu.zoom.us/j/8273666289?pwd=bitrNUtBNzNZNUYycFF6NlpzT2ZKUT09

ES202 ZOOM CLASS MEETING OPTION (as needed, TBD, by prior arrangement):

ES202 CANVAS SHELL: https://www.wou.edu/portal/
ES202 CLASS WEB SITE: https://people.wou.edu/~taylors/g202/ES202_home.html

COURSE DESCRIPTION:
This is an introductory course in Physical Geology that focuses on Earth surface processes, sedimentary systems, and sedimentary rocks. The rock cycle and plate tectonic theory are briefly surveyed at the beginning of the term. Emphasis topics include: sedimentary rocks, sedimentary processes, stratigraphy / time, rock weathering, mass wasting, rivers, groundwater, glaciers, climate change, deserts, and coastal processes.

Course content will generally be qualitative in nature, although basic mathematical skills (through algebra) will be reviewed and utilized to complete the lab exercises. Creative instructor-student interaction will be faithfully encouraged to provide a truly relaxed educational atmosphere.

HYBRID MODE:
This course will be conducted in a hybrid in-person + remote online learning mode format. Students will engage internet tools including email, class web site, Canvas learning management system, and web conferencing technology.

As a team, we will be using up to 5 primary modes of remote communication for this term, either separately or together in combination, these include: (1) Personal one-on-one verbal interactions (e.g. in person, voice calls, text messaging, zoom), (2) WOU email system (taylors@wou.edu), (3) ES202 Class Web Site: (https://people.wou.edu/~taylors/g202/ES202_home.html), (4) ES202 Class Canvas Site: (https://wou.edu/portal), (5) Zoom online conferencing tool and if necessary.

Canvas Class Access: To connect and log in, click on the Canvas button in your WOU Portal. For questions / help. click on "Help" on the Canvas toolbar to find links to the Help Guides, live chat and phone access to the support team, video tutorials, and more. For problems connecting or logging on to Canvas, contact WOU Center for Academic Innovation email: askai@wou.edu phone: 503.838.9300

Hybrid Class Meetings: The class assignments and labs will be completed mostly online in asynchronous mode, however ***we will hold synchronous real-time in-person class meetings twice per week on Mondays and Wednesdays from 2:00 PM – 3:50 PM in NS218 for Winter Term 2024. The in-person lab period is scheduled on Wednesdays from 2:00 PM -3:50 PM in NS218. In case of public health emergencies, we will also have a class Zoom option as needed (see link under contact information above)***. Each week, at the listed days and time, I will provide weekly class instructions and lesson overviews; plus answer any questions or assist with assignments. Zoom is a web browser-based tool, click the meeting link posted above to join the meeting; voice, video and text / chat options are available. If you experience difficulty connecting to the Zoom space during meeting time, Plan B give me a call directly on cell phone at

541-760-9216, or email that works as well. I will send out email reminders and virtual meeting links as we progress through the class session. **By prior arrangement before class time, a*lternative options will be provided to students who are not able to attend the class meetings.***

Virtual Office Hours: Standing office hours will be held during the posted days / times above using the Zoom personal meeting tool. The instructor has an account with a virtual room set up that has a static web address with following URL: https://wou-edu.zoom.us/j/8273666289?pwd=bitrNUtBNzNZNUYycFF6NlpzT2ZKUT09 Each week, at the listed day and time, I will have a meeting space open for students to drop in as needed. Enter the URL into a web browser, click link to join meeting, enter your full name and email address in the login box to enter virtual meeting room. Voice, video and text / chat options are available. If you experience difficulty connecting to the Zoom space during office hours, Plan B give me a call directly on cell phone at 541-760-9216, or email anytime, that works as well.

Weekly Planning and Time Management: ES202 is a 4-credit science class originally designed in a format that encompasses 3 hours of lecture and 2 hours of lab each week; for a total of 5 contact hours plus outside class homework time. While we are currently delivering the course in a hybrid format; with only 4 hours or real-time synchronous in-person meeting per week, students should anticipate that all meetings, assignments, homework, readings and lab exercises will take a minimum of 5 to 6 hours of personal time per week to successfully complete. Please plan your weekly work schedules accordingly, both during scheduled class time, and outside of scheduled class time.

Student Weekly Workflow and Scheduling: A significant portion of this class is completed by students in an asynchronous-online format, outside of formal synchronous class meeting times. Given the independent nature of completing outside class work, students commonly encounter time management issues due to the open-ended nature of self-structuring a weekly workflow. The recommended steps in successfully approaching the course from a time management perspective include the following: (1) attend and participate in the in-person, real time class meetings so that you understand the weekly logistics, homework instructions and premise of the class content, (2) set up a weekly class work schedule outside of synchronous class time, for example on three days of the week, schedule 1-2 hour work time for the class where that is all you focus on, (3) complete the assignments ahead of time before the last minute on the due date, (4) start by watching the assigned videos and answer review questions, follow by completing the reading assignments, and finish by completing the class exercises, practice quizzes and/or lab assignments, (4) submit your completed assignments via Canvas upload by the prescribed due date. **Weekly homework assignments are due on the following Monday of the next week via Canvas upload**.

COURSE GOALS AND LEARNING OBJECTIVES:

ES202 learning objectives are aligned with Earth Science Program Outcomes and select components of the LEAP (Liberal Education and America's Promise; http://aacu.org/leap) learning outcomes developed by the Association of American Colleges and Universities. Upon successful completion of ES202 Principles of Geology, students will be able to demonstrate minimum competency in the following program areas:

1. Explain mass and energy transfer cycles that result in erosion and deposition at the Earth's surface (PO1).
2. Identify sedimentary rocks, describe their composition, and interpret processes that result in their formation (PO3, I&A).
3. Identify landforms, describe their composition, and interpret processes that result in their development at the Earth's surface (PO3, I&A).
4. Summarize concepts of stratigraphy and landscape evolution in the context of geologic time (PO1)

TEXT BOOKS AND READINGS:

NOTE: all reading assignments and laboratory exercise materials will be provided by the instructor via the class web site and in-class handouts.

Optional reading references include the following:

Marshak, S., 2016, **Essentials of Geology (4th Edition)**: Norton & Company, Inc., 648 p. ISBN 978-0-393-26339-8.

Busch, R.M., ed., 2015, **Laboratory Manual in Physical Geology, 10th ed**.: American Geological Institute and National Association of Geoscience Teachers, Pearson, 384 p. ISBN-13: 978-0321944511.

CLASS NOTES:

A comprehensive set of instructor class notes are available for download via the internet. The class web site is at **URL** https://people.wou.edu/~taylors/g202/ES202_home.html scroll down the weekly course content list to access class notes and other resources. The class notes are available as Adobe Acrobat Reader files (*.pdf file). The notes and learning resources are in outline form and are very comprehensive.

EVALUATIONS AND EXPECTATIONS:

Student performance will be evaluated on the basis of weekly attendance / participation, quizzes, exams, lab exercises, and other homework. The following is an approximate breakdown of evaluation points and letter grades:

Weekly Attendance / Participation	50 pts	10%
Quizzes (2 x 30 pts ea)	60 pts	12%
Mid-Term Exam	100 pts	20%
Final Exam	120 pts	24%
Lab Exercises and Assignments	170 pts	34%
Total	500 pts	100%

Final Grading Scale

Percent Range of Total Points	Letter Grade	Percent Range of Total Points	Letter Grade
94-100%	A	77-79%	C+
90-94%	A-	73-76%	C
87-89%	B+	70-72%	C-
83-86%	B	67-69%	D+
80-82%	B-	63-66%	D
		60-62%	D-
		<60%	F

Class and Homework Assignments: Homework exercises will be assigned by the instructor on a weekly basis and may include written exercises, lab exercises, pop-quizzes, video review sheets, or other types of assessment tools. Assignments will be mostly completed outside of class time in asynchronous mode. Practice quizzes are designed as internet-based "take-home" exercises that are submitted electronically by the prescribed due date. Late assignments will not be accepted after the deadline. Special arrangements for turning in late assignments with administrative excuses should be arranged in advance.

Exams and Quizzes: Exams and quizzes will consist of material covered both in lecture and lab. Quizzes will be administered once before the mid-term, and again between the mid-term and final. Quizzes are designed to keep the students abreast of their weekly studies, in preparation for the mid-term and final exams. Studying

for quizzes is an excellent way to avoid last minute "exam cramming" and poor exam performance.

The final exam will be comprehensive with test material drawn from throughout the term, but will focus mostly on the material covered after the mid-term. Exams and quizzes will generally be a mix of objective questions (e.g. multiple choice, matching, true/false, completion), essay questions, and lab-style problems. Geology is a very visual, 3-dimensional science. *Be forewarned that you will be expected to include sketches and drawings in your essay answers!*

Lab Exercises: The lab exercises represent a significant component of the class. Exercises are based on scientific observation, data analysis, and problem solving. Students will complete approximately one (1) lab exercise per week of the term.

A set of Pre-Lab Reading Questions have been prepared to encourage students to read lab material prior to working on the activities each week. Reading the weekly lab prior to working on the labs will result in better grade performance and permit the class to run more efficiently, maximizing benefits to all participants. The Pre-Lab Reading Questions are to be completed by the student prior to each week's lab session. Students may use their lab manual and text book to answer the Pre-Lab questions.

Lab answer keys will be posted on the class web site by the instructor. It is your responsibility to: (1) check your work against the lab key, (2) make sure you understand how to complete the exercises, (3) get help from the professor if you have trouble with lab exercises, and (4) study / learn the exercise skills and material for the quizzes and exams.

Outside Class and Lab Assignments: Class and lab assignments will be worked outside of synchronous class time each week. You will have lab, reading, and homework assignments that may take up to several hours to complete. Please plan your schedule accordingly. Late assignments will not be accepted after the deadline prescribed by the instructor. Special arrangements for turning in late assignments with administrative excuses should be arranged in advance.

Make-up Exams, Make-up Labs, and Incompletes: Under NO circumstances will make-up exams be administered without prior arrangement (at least three days) and good reason, with a signed administrative excuse. Please show up on exam day!

Under NO circumstances will a grade of "incomplete" be issued in the last week of class. If you find yourself in a situation where you can't complete the required course work, please make arrangements with the instructor prior to the last week of class. Contact the Student Affairs Office (838-8365) for assistance in arranging incompletes.

LEARNING RESOURCES AND GRADE OUTCOMES:
The class knowledge base will be derived from a combination of the following: (1) independent student reading outside of class; (2) training videos, (3) independent student engagement of take-home lab exercises and quantitative problem solving; (4) independent student reading of web resources linked from the class web site; (5) systematic review and memorizing of class notes and ancillary reading materials by students, as directly linked from class web site and handed out in hard copy during class time; and (6) successful attendance, note taking, and engagement of in-class lectures/labs and/or zoom meetings delivered by the instructor. Instructor lectures are designed as interpretive translations to assist students in understanding the class content and to stay on track with the weekly schedule. Lectures are not intended as the primary knowledge transfer mechanism. Independent student engagement of readings, class notes and lab work outside of class time are the most important pathways to success.

OTHER REQUIRED MATERIALS, SOFTWARE AND HARDWARE:
Students will also need a scientific calculator, ruler, protractor, colored pencils, and frequent access to a personal computer or compatible device connected to the internet. You will be required to use these materials

during labs and exams. Given the hybrid mode of delivery students will need access to computer hardware, software (including MS Office, MS Word, MS Excel or alternative compatible products), and a stable internet connection capable of streaming video. MS Office365, including Excel, is available free to all WOU students, for more information connecting visit the following URL: https://wou.edu/tech/remote-access/ You will be required to complete and electronically submit worksheets using MS Word and Adobe Acrobat PDF file formats derived from a Windows 10 Operating System. If you are using Apple IOS / MAC software products, you will be required to import and export to Windows-compatible MS word and Adobe PDF file formats. This process may involve scanning hand-written work with your phone or scanner, and / or converting to a windows-compatible image file format including JPG and PDF. Please plan accordingly, or you will have trouble successfully completing the class. NOTE FOR APPLE COMPUTER USERS: please do not submit your digital assignments in "PAGES" or "HEIC" file formats, convert them using internet resources or other software to Microsoft compatible file formats including one of the following: Acrobat PDF, MS Word DOCX, JPG, TIF . Please inform the professor ASAP if there will be issues working with these types of file formats or digital documents, and we will problem solve as needed. NOTE: Google Docs is available as part of the WOU email tool suite, and is very well adapted at converting files between a wide variety of Apple and Microsoft formats.

STUDENT TECHNOLOGY SUPPORT:
A website with detailed information about computer requirements and technology support for WOU students is available at the following URL: https://wou.edu/provost/keep-learning/ In addition, other important phone numbers and web links for WOU technology support are listed below:

Western Oregon University Canvas Support: 1-503-838- 9300 (askai@wou.edu)
Western Oregon University Computing Solutions (UCS): 1-503-838-8925 (ucshelpdesk@wou.edu)
WOU Remote Access Resource Page: https://wou.edu/tech/remote-access/
WOU Academic Affairs Resource Page: https://wou.edu/provost/instructional-resiliency/

ATTENDANCE AND ASSIGNMENT POLICY:
There is a direct correlation between attendance and student performance. Attendance is necessary for students to properly digest intellectual concepts presented in a college classroom format. The in-class assignments are designed to reward students who attend class on a regular basis. Absences with written excuses for medical reasons or university-related functions may be used to arrange make-up work with the instructor. For more information on how to submit a student absence notification request, please contact the Academic Advising and Learning Center at 503-838-8428 or email: https://wou.edu/advising/

Student Absence Notification: If for some reason you are absent due to an extenuating circumstance or medical situation, the instructor may ask you to report the incident through official channels before making exceptions to missed or late work. To complete the Student Absence Notification Form, visit https://wou.edu/advising/ or contact the Student Success and Advising Center at 503-838-8428.

STUDENT HONOR POLICY:
Plagiarism and cheating will not be tolerated. Cheating includes copying others work and using cheat sheets on exams. However, students are encouraged to interact in small groups during lab exercises and class assignments. Specifically, you are encouraged to discuss concepts and ask questions of your student colleagues, but you may not directly copy their work. Cases of cheating and plagiarism will be referred to the appropriate university administrative office.

Plagiarism and Writing:
A significant component of research papers and written assignments involves incorporating others written work into your product. There is a right way and wrong way to approach using others work. The wrong way includes directly copying text from a source, without recognizing where the information originated (this includes internet web sites!!!).

The methods of "paraphrasing" and "author citation" are the best way to avoid direct plagiarism when writing a term paper. The paraphrasing method involves: (1) reading the original work, (2) taking notes on the key terms

and concepts, and (3) re-organizing and re-wording the work in your own voice. The author citation method allows a writer to use other's ideas and work, on one critical condition, that the writer cites and recognizes the original author's contribution. Information sources that require paraphrasing and author citation include: text books, journal articles, government publications, internet web sites, encyclopedias, magazines, and newspaper articles. Plagiarism on term papers can be readily avoided by using the paraphrasing and author citation methods. Directly copying other's written material will be considered "cheating" and will be referred to the university administration for disciplinary action **(this includes directly copying text from web sites)**.

STUDENTS WITH DISABILITIES:
Any student who has a disability that requires accommodation, please make an appointment to meet with me.

A NOTE ABOUT THE LAST WEEK OF CLASS:
Given that the Oregon University System employs the "quarter-method" of academic scheduling, upper division courses are by nature "compressed" with much detailed content to cover in a relatively short period of time. As such, the 10th week of class is as critical to content coverage as the 1st week. Students should anticipate a full slate of "normal" activities during the last week of class, including lectures, lab exercises, quizzes, written reports, etc. The term "dead week" simply means that comprehensive Final Exams are not to be given week 10, unless if agreed upon by the instructor and students. All other activities such as lectures, labs, assignments, paper writing, quizzes etc. are fair game during "dead week". The class is not over until after the final exam in week 11! Plan your schedule accordingly!

A NOTE ABOUT LOST OR MISSING WORK:
The instructor will only grade work that is received and digitally visible / readable in Canvas. Any missing work (lab assignments, homework, quiz/test answer sheets) will receive a "0" on the grade sheet. This policy applies to work lost by the student or instructor. If the student demonstrates that the work was turned in, then the student will be afforded an opportunity to make up the work and resubmit it for graded credit. Otherwise, the student will not receive credit for lost or missing work.

CHANGE OF SYLLABUS - POP QUIZZES - UNANNOUNCED HOMEWORK ASSIGNMENTS:
The instructor reserves the right to modify the syllabus and class schedule at any time during the term. Students will be notified of such changes in a timely manner. The instructor also reserves the right to administer pop-quizzes and assign unscheduled homework / class assignments at any time. All students will be responsible for completing this work and it will comprise part of the final class grade. Due to the remote hybrid logistics, the short-turnaround shift to remote / online education will be a work in progress. Patience and teamwork will be required. The instructor reserves the right to change the syllabus and class structure, as needed, given the dynamic nature of the situation, and the potential for glitches associated with the technology infrastructure. Much time will be provided for students to succeed and adjust to the new learning mode, as the term progresses.

A NOTE ABOUT COMPUTER-BASED AND ONLINE COURSES:
This class will use technology, hardware, software, and the internet. As such, there are endless possibilities for software glitches, system failure, and total confusion. Your patience with lab exercises, assignments, course content, and software / hardware glitches will be greatly appreciated. **Our motto for this class: "expect the worst and hope for the best".**

INSTRUCTOR TIMELINE FOR ONLINE RESPONSE; GRADING EXAMS AND ASSIGNMENTS:
The instructor will respond to emails / messages ASAP and within 24 hours (usually much faster, but understand that it could be up to a day before I respond). On weekends and in the evening, it may take a bit longer, but I will make a point of getting back to you as quickly as possible. The instructor's class grades are typically due to registrar's office the week following the class end date. All exams, lab materials, and assignments submitted by students throughout the term will be graded by that time, however the professor will make an effort to return graded materials within two weeks of the assigned due date. Answer keys and other resources will be posted to assist with students evaluating their work on a weekly basis. ***Grade Reports: I will***

be using the Canvas gradebook tool. In addition, I will be personally reviewing your work submitted via Canvas upload, grading it manually, and recording scores in my own spreadsheet / gradebook, outside of Canvas. I will send you individual grade updates via email as the session progresses.

FREQUENTLY-ASKED QUESTIONS ABOUT GRADES, STUDY TECHNIQUES AND STUDENT SUCCESS:

What can I do to pass the class and receive a good grade? If you want to successfully complete this class and maximize your grade standing, the following techniques are recommended: (1) read your notes before coming to class, (2) attend lecture every day, (3) complete all of the in-class exercises, homework, and lab assignments, (4) read the book weekly, and (5) incrementally study your notes weekly (do not wait until the last minute before the exam).

We will be covering a large volume of material throughout the term. The best approach for success is constant and steady interaction with the course materials. The lectures are designed to provide you a simplified explanation of complex scientific concepts, and present contextually-relevant, real-world examples that will help you comprehend the material. Hence, to benefit from the lectures, you will need to attend class on a regular basis. The class assignments provide an opportunity for self-discovery and interaction with the material, this will help you assess your ability to comprehend and understand the concepts. In addition, the class and lab assignments provide critical "effort points" that will raise your exam and quiz averages. Repeat after me: "the homework is my friend, the homework is my friend, the homework is my friend, please give us extra homework". Developing a weekly study schedule and work ethic will enable you to incrementally build a scientific knowledge base and data dictionary from which to successfully answer exam and quiz questions.

Why is reading the book important for successfully completing exams and quizzes? The online class notes are provided in a bulleted, summary format. These were developed by the professor over many years and provide the framework for organizing lecture materials. The lectures are delivered in an informal style with emphasis on contextual relevancy and conceptual visualization. The "disconnection" occurs at exam time, as the questions are written with formal scientific language and terminology. The initial step in correctly answering an exam question, is to first understand the scientific language and what the question is asking. The latter steps involve memory recall, visualization, and interactive comprehension of the scientific concepts. Given that the notes and lectures are organized in a style that differs from the written exam language, reading the book is essential for learning the formal language of science, that which is prerequisite for successful test taking.

I have followed all of your recommendations, and I still score poorly on quizzes and exams, what more can I do? The Learning Center at WOU is available for students to receive additional help and guidance in successfully completing classes. Services include peer-to-peer tutoring, study skills workshops, testing strategies, study-group organization, and structured facilitation. The Learning Center is located in Room 401 of the Academic Programs and Support Building across the street from Natural Science. Contact them at 838-8428. In addition to the Learning Center, the Office of Disability Services is available to help students who may have learning disabilities. Their number is 838-8250, call to make an appointment for an initial disability assessment.

Student Success Support: If you determine that your performance in this class is placing you at academic risk, you are highly encouraged to seek help from a member of the Student Success Team. A student support specialist is available to work with you to address issues and develop a success strategy. **All students are ultimately responsible for tracking their own progress in this course.** In addition to regularly consulting with your professor, if you would like to meet with a student success specialist regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at 503-838-8428 or email: https://wou.edu/advising/.

Tutoring Services at the Student Success and Advising Office: Free Earth Science class tutors are available for student support at the Student Success and Advising Office. For more information, visit the following web site URL: https://wou.edu/advising/tutoring/ or email for appointments to: tutoring@wou.edu

TENTATIVE COURSE OUTLINE: This outline should be considered tentative at best. The following schedule may be modified as class ideas evolve throughout the semester. Abbreviations for Reading Assignments are as Follows: M = Marshak, **Essentials of Geology 4th edition**; AGI = Laboratory Manual in Physical Geology 10th edition; "Handouts" = from professor. ***DRAFT 1 UPDATED JAN. 5, 2024***

Week	Dates	Class Content	Reading Assignment (author / page)	Lab Exercise
1	Jan. 8-14	Class Policies, Introduction, Overview of Earth	M: p. 1-8, Chap 1 Lab: Handouts	Lab 1: Overview of Scientific Methods / Techniques-Take Home
	IN-PERSON CLASS JANUARY 8, 2 – 3:50 PM Room NS218			
	NOTE: All Lecture Classes and Labs will be located in Room NS218 for Winter 2024			
2	Jan.15-21	Overview of Tectonics, Matter, Minerals, Rocks	M: Chap 2-3, M: p. 88-96 Lab: AGI p. 73-125	Lab 2: Review of Minerals, Rocks, and Tectonics
	NO CLASS JANUARY 15 - Martin Luther King Day			
	Week 1 Assignments Due for Canvas Upload by Monday January 15, 11 PM			
3	Jan. 22-28	Sedimentary Processes, Sedimentary Rocks	M: Chap 6 Lab: AGI p. 153-186	Lab 3: Sedimentary Rocks
	Week 2 Assignments Due for Canvas Upload by Monday January 22, 11 PM			
4	Jan. 29-Feb. 4	Sedimentary Rocks II, Stratigraphy, Geologic Time	M: Chap 10 Lab: AGI p. 207-225	Lab 4: Geologic Time & Stratigraphy
	Week 3 Assignments Due for Canvas Upload by Monday January 29, 11 PM			
	Quiz 1 Wednesday January 31			
5	Feb. 5-11	Weathering, Soils, Mass Wasting	M: p. 148-162, Chap 13 Lab: AGI p. 227-258	Lab 5: Topographic Maps
	Week 4 Assignments Due for Canvas Upload by Monday February 5, 11 PM			
6	Feb. 12-18	Fluvial Processes and Landforms	M: Chap 14 Lab: AGI p. 283-310	Lab 6: Fluvial (River) Systems/Landforms
	Week 5 Assignments Due for Canvas Upload by Monday February 12, 11 PM			
	Mid-Term Exam, Wednesday Feb. 14			
7	Feb. 19-25	Groundwater	M: Chap 16 Lab: AGI p. 311-328	Lab 7: Groundwater
	Week 6 Assignments Due for Canvas Upload by Monday February 19, 11 PM			
8	Feb. 26-March 3	Glaciers, Glacial Processes, Climate Change	M: Chap 18, 19 Lab: AGI p. 329-356	Lab 8: Glacial Systems, Climate
	Week 7 Assignments Due for Canvas Upload by Monday February 26, 11 PM			
9	March 4-10	Deserts, Eolian Processes, Desert Landforms	M: Chap 17 Lab: AGI p. 357-374	Lab 9: Desert Processes/Landforms
	Week 8 Assignments Due for Canvas Upload by Monday March 4, 11 PM			
10	March 11-17	Oceans, Coastal Processes, Coastal Landforms	M: Chap 15 Lab: AGI p. 375-390	Lab 10: Coastal Processes/Landforms
	Week 9 Assignments Due for Canvas Upload by Monday March 11, 11 PM			
	Quiz 2 Wednesday March 13			
11	March 18-22	**Finals Week (FINAL EXAM - Check Schedule)**		
	Week 10 Assignments Due for Canvas Upload by Monday March 18, 11 PM			
	Final Exam Wednesday March 20, 2 – 4 PM			

Web-Based Practice Quizzes

The weekly practice quizzes are designed as online exercises using your textbook, the internet, and campus learning management software called "Canvas". I have prepared a set of online, fill-in-the-blank homework questions that are keyed to chapter readings in your textbook. By using the Canvas software, your homework exercises are administered and graded online. Individual weekly practice quizzes will be available for one week at a time throughout the term. **You will only be able to complete and submit the assigned online practice quizzes during the availability time. If you miss the deadlines you will receive a "zero" for the practice quizzes. Pay attention to the dates listed below!**

The following are procedures for accessing the online homework assignments:

(1) You will have an individual student account set up on Canvas with a username and password.
(2) The Canvas website may be accessed in the following ways:

(a) from the class homepage (www.wou.taylor ... follow the links to ES202 ... then follow the links to "Canvas" in the Homework Assignments section), or

(b) by surfing to the following URL in your web browser: **https://www.wou.edu/portal**

(3) Once at the site, go to the "Login Box" at the upper right corner of the page.

(4) Enter your WOU Email student username- **This will be the same as your student server username**.

(5) Enter the last 4 digits of your student ID number for the password. **Your password will be the last 4 digits of your "V no.", just like your student server account, until you change it.**
(6) Once you are logged in, look for the "Change Password" icon... you can change your password at any time!
(7) Click on the "Homework Assignment" icon.
(8) Click on the homework assignment you wish to complete, and begin the online assignment.
(9) **For each question, type in an answer in the blank box provided and click on the "save answer" radio button. When finished with all questions in the homework, click on "Finish". IF YOU DON'T SEE YOUR "HOMEWORK GRADE" AFTER YOU SUBMIT, THEN YOU DID NOT FOLLOW THE ABOVE INSTRUCTIONS. REMEMBER TO "SAVE ANSWER" FOR EACH QUESTION AND "FINISH" WHEN YOU HAVE COMPLETED THE HOMEWORK.**
(10) You may stop and begin the assignment as many times as you wish, but only until you click "submit for grading".
(11) **Make sure you print a hard copy of your homework answers and/or save them as a file on your local drive! The print out will be your hard-copy record that you completed the work. IF YOU DO NOT SAVE A HARD COPY OF YOUR WORK, AND THE COMPUTER RECORDS IT AS "0" THEN YOU WILL RECEIVE A "0"… SAVE A HARD COPY OF ALL YOUR WORK AS A BACK-UP RECORD.**
(12) Homework assignments will be posted and open on a weekly basis. This is a standing homework assignment and it is your responsibility to check in every week and accomplish the task. Pay attention to the deadlines, the instructor will not be reminding you, this will be on "auto pilot".

Note: Pay attention to the availability dates, once the deadline has passed you are out of luck! You have unlimited time and an unlimited number of tries to correctly answer and submit the questions. Your highest score will be recorded as the grade.

Note: Print a hard copy of your questions and answers from the browser icon... this will be your written record of completing the assignment! It will also serve as a study guide with practice questions that will be on the exam.

Tips and Tricks for Completing the Online Practice Quizzes:
(1) Read the text chapter in question before you start. The text readings are listed on the schedule above.
(2) Log-on to Canvas and print out a copy of the homework questions.
(3) Answer the questions on paper with your textbook, prior to working and submitting them online.
(4) Log-on to Canvas and finish the online assignment.
(5) Print a copy of your completed online homework, this is your hard-copy record that you completed the assignment (remember - if there is a way for a computer to make a mistake, it will happen to you!).

Practice Quiz Assignment Schedule

No.	Topic	Marshak Text Chapter(s)	Canvas Upload Due Date
1	Minerals, Rocks Tectonics	Chap 1,2,3,4	January 22, 2024
2	Sedimentary Rocks Geologic Time	Chap 6, Chap 10	January 29, 2024
3	Weathering / Mass Wasting	Interlude B, Chap 13	February 12, 2024
Note: No Canvas Practice Quizzes During Week 5 - Midterm Exam Week			
4	Rivers	Chap 14	February 19, 2024
5	Groundwater	Chap 16	February 26, 2024
6	Glaciers	Chap 18	March 4, 2024
7	Deserts	Chap 17	March 11, 2024
8	Coasts	Chap 15	March 18, 2024

Marshak Essentials of Geology 4th and 5th Edition Chapter Content Comparison

TOPIC	Marshak 4th Edition		Marshak 5th Edition	
Earth in Context/Solar System	Chap. 1	p. 9-34	Chap. 1	p. 11-42
Plate Tectonics	Chap. 2	p. 35-60	Chap. 2	p. 43-82
Minerals	Chap. 3	p. 71-87	Chap. 3	p. 83-101
Rocks Overview	Interlude A	p. 88-96	Interlude A	p. 102-112
Igneous Rocks	Chap. 4	p.97-118	Chap. 4	p. 113-136
Volcanism	Chap. 5	p. 119-147	Chap. 5	p. 137-169
Sediment Overview	Interlude B	p. 148-162	Interlude B	p. 170-186
Sedimentary Rocks	Chap. 6	p. 163-188	Chap. 6	p. 187-214
Metamorphic Rocks	Chap. 7	p. 189-209	Chap. 7	p. 215-235
Rock Cycle	Interlude C	p. 210-216	Interlude C	p. 236-244
Earthquakes	Chap. 8	p. 217-251	Chap. 8	p. 245-281
Earth Interior	Interlude D	p. 252-264	Interlude D	p. 282-296
Mountain Building	Chap. 9	p. 265-291	Chap. 9	p. 297-325
Fossil Record	Interlude E	p. 292-304	Interlude E	p. 326-338
Geologic Time	Chap. 10	p. 305-328	Chap. 10	p. 339-364
Earth History Overview	Chap. 11	p. 329-352	Chap. 11	p. 365-390
Energy and Mineral Resources	Chap. 12	p. 353-385	Chap. 12	p. 391-427
Hydrologic Cycle	Interlude F	p. 386-396	Interlude F	p. 428-440
Landslides/Mass Wasting	Chap. 13	p. 397-416	Chap. 13	p. 441-462
Rivers	Chap. 14	p. 417-444	Chap. 14	p. 463-492
Oceans/Coasts	Chap. 15	p. 445-472	Chap. 15	p. 493-522
Groundwater	Chap. 16	p. 473-496	Chap. 16	p. 523-548
Deserts	Chap. 17	p. 497-514	Chap. 17	p. 549-568
Glaciers	Chap. 18	p. 515-544	Chap. 18	p. 569-602
Global Climate Change	Chap. 19	p. 545-568	Chap. 19	p. 603-629