

Physical Geology with Lab

GLG 101 851

Spring 2020

Instructor:	Genifer (Gen) Lara	MCC Email:	glara@mohave.edu
Office Location and Hours:	Online	Class Dates, Days, and Times:	All material is online through Schoology
Drop Period:	Last day to Drop is January 28, 2020 2019-20 Academic Calendar (Be aware that dropping/withdrawing a course may affect your financial aid.)		
Withdrawal Dates:	Last day to withdraw is April 27, 2020 2019-20 Academic Calendar (Be aware that dropping/withdrawing a course may affect your financial aid.)		
Secondary Contact (Associate Dean or Program Director):	Don Weide, Distance Ed/CELT Assoc. Dean: dweide@mohave.edu	Course Modality:	Online
Learning Management System:	All courses are web-enhanced and, as such, all students are required to have access to the Learning Management System. The Learning Management System can be accessed via the Library and the Student Success Center on each campus. Access the Learning Management System through the MyMohave portal: https://myclasses.mohave.edu Note: Grades may be checked in the Learning Management System.		
Course Description:	An introduction to geologic processes on and within the Earth. Topics covered include concepts in mineral and rocks, tectonic processes, weathering and erosion, sedimentation, structural deformation, landscape development, and groundwater. Laboratory work and additional field trips are included to provide observational examples of the above topics and to learn geologic field techniques of data gathering.		
Course Goals:	<ul style="list-style-type: none"> • Interpret the minerals, rocks, landforms and depositional formations in an area to reconstruct its physical geologic history. • Summarize the processes that have shaped the Earth's landforms, including its mountains, canyons, rivers, glaciers, deserts, and beaches. • Discuss how hazardous geologic processes such as earthquakes and volcanic eruptions can impact us and our environment. • Discuss the Earth's finite geologic resources and our dependence on them. • Apply geologic principles to the analysis of environmental problems. • Integrate technical, environmental, political, economic, social and ethical implications in the analysis of geologic resource utilization. 		

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Materials/ Equipment:	See Textbook below. You should have a reliable computer, not just a cell phone. You will need to have access to Adobe Flash and be able to download other apps such as Google Earth later in the course.
Textbook Title, Author, and ISBN:	Mastering Geology with Pearson eText Standalone Access Card for Earth: An Introduction to Physical Geology, 12 /E; ISBN13: 9780134288246 Access Code for eBook MGEOLLARA7175411 Alternatively, you can buy a hard copy of the textbook, and the 11th or 12th edition should also be fine to use. All assignments and exams will be accessed in Schoology.

Instructor Disclaimer (PLEASE NOTE):

I will do my very best to respond to your inquiries within a 24-hour period (48 hours on weekends). I do ask that you try to avoid “last-minute” questions (if possible) prior to an assignment or quiz that is due because I might not be able to receive and respond to your question in the time you want me to. Your understanding and patience are appreciated. If you do have a problem where Schoology goes down or you lose Internet connection during an exam, message (through Schoology or a phone text) me asap and I will work with you to get it resolved in a timely manner, which might not be until Monday if it happens on a weekend. Please include a screenshot of the issue if possible.

Course Messages vs. Email

Course Messages are like Email, but they are not the same. Both will work, but I would prefer that you use the Course Messaging function to contact me. Course Messaging leaves a message within Schoology for your instructors AND sends me an email. Nevertheless, I need to stress the importance of checking your MCC email account *frequently* as this is the primary means used by MCC to contact students (personal email addresses such as Yahoo, Hotmail, Gmail, etc. are not used by MCC). If you have questions about your email account, please contact the **Help Desk** at 866-749-8239 for assistance. You can access your MCC email at <http://www.mymohave.mohave.edu>.

COURSE STRUCTURE

This is an asynchronous course, not bound by time and place. There are no “in-person” classroom meetings. All the normal class activities (lectures, field trips, discussion, questions, exams, etc.) are conducted online. This class is neither easier nor more difficult than a traditional classroom (a.k.a., “on ground”) course, but it does allow more flexibility in completing the required work. This can be very helpful for students working concurrently, and for those that may have unusual schedules or that are not living near an MCC campus. Many students believe that an online course “will be easier.” This is not the case. This course will be as academically rigorous as an on-campus equivalent. You should be spending approximately 3 hours PER CREDIT each week to complete the requirements for this course (and this is the normal average for all college-level courses, not my number). This is a 4-credit class,

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so spending **12 hours per week** to complete assignments is conceivable.

DISCUSSIONS AND COURSE CAFE

The method of instructor/student and student/student communication is via the Schoology course interface (Schoology is also known as a learning management system or LMS). The **Discussion Forum** is an online bulletin board where discussion topics and assignments can be posted, monitored, and answered. The **Discussion Forum** is used to post to discussion topics & respond to your fellow classmates.

Use the **Course Cafe** to ask general questions about concepts, homework, labs, and exams, as well as to post any relevant geology news or pictures. I have found that the more that students participate in the course and interact with one another, the more they learn, the more they enjoy it. Do please post concept questions in Course Cafe as your fellow students might be wanting to ask the same questions and everyone will benefit from the responses!

TESTING

All testing is conducted online. Although you may use your book and notes, and although the weekly quizzes are not timed, you will not have enough time to look up each answer in the textbook or other course material for the timed MIDTERM and FINAL. You must prepare for online exams *the same you would as you would study for an in-class/on-ground test*. Exam questions are multiple-choice, T / F, matching/ordering, and other types. Your grade will be released once the availability period for the quiz/exam has ended. **The FINAL Exam is DUE Sunday, May 10 by 11:59 p.m. AZ Time and no late submissions will be accepted as final grades will be submitted on May 11.**

This is an online class teaching and learning environment ... you will need good time management skills as well as easy access to a reliable computer to complete this course. DO NOT register for this course if you must consistently borrow your roommate's / neighbor's computer or only have a cell phone to use! Please remember to backup your important files frequently. For those of you near an MCC Campus, MCC computer labs are readily available.

Finding Course Material: Learning Modules are your directions for an assignment, listed by "Module 1", "Module 2", etc. The Modules are where you find most class activities in Schoology-including exams. The Modules are located on the main page of the course and are also listed under the "Materials" section. The "Updates" section is where you find Announcements. ***Make sure you check both frequently.***

What Counts towards Participation? Your success in this class depends in part on your participation. How do you participate in an online course? You post questions, comments, or responses to the Discussion Forum; you do the other required assignments; you take exams; and you use Schoology Course MESSAGES. Schoology automatically tracks how many times you "post", read, etc. various items in the course

DISCUSSION QUESTION(S) OF THE WEEK: Students are expected to offer comments, questions, and replies to the discussion questions that are posted weekly, as well as answer classmate postings (minimum 1 other post). Students need to actively participate in each week's discussion. The faculty role is as an observer and facilitator. I will be reading all posts and will participate as appropriate. Postings will be evaluated on the quality of the postings and the degree that the postings promote discussion with classmates. Participation in weekly boards is required and postings will be evaluated per board on the rubric found under 'Grading' on the syllabus. *****Because Internet connections can be fickle,***

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*I would suggest writing your discussion post in a Word document (or similar document), so that you can save it as you are working on it. When you are finished, you can just copy and paste it into the discussion thread. There is nothing worse than writing a long discussion and having your connection lost! ***

Grading Criteria and Scale

Late Assignments: Assignments are expected on the due date noted in the Schedule unless otherwise noted. *I will give a 2-day grace period for assignments if any unexpected issues arise.* After the 2 days, I will deduct 2 points from the assignment for each day it is late. I do try to be accommodating so if anything does come up during the course (illness, family health issues, etc.), please contact me as soon as possible so we can work something out. If you have a technical error during a quiz or exam, again, contact me as soon as you can and send a screenshot of the issue if you can. I will get back to you within the normal times stated and you will have extra time to complete that assignment after I reach back out to you. Please send me a message through Schoology for the quickest reply.

Grading Scale				
A = 90 – 100%	B = 80 – 89%	C = 70 – 79%	D = 60 – 69%	F = 0 – 59%

Note: Grades may be checked in the Learning Management System

Breakdown of Grades

Weekly Quizzes 10%

Discussions 30%

Labs 35%

Midterm/final 25%

100% Total

Labs

You will have 11 labs in the course and your lowest lab score will be dropped. If you do all 11, then your lowest score will count as extra credit.

Discussion Rubric: Please read this as I will be using it to grade discussion posts!

A rubric for the discussion boards can be found below. This rubric will be used when grading student discussion board posts. Simple answers of a few sentences **will not be adequate to answer the discussion questions and will not earn a passing grade.** It is best to approach each discussion board question as a *miniature essay* – have a thesis statement, supporting facts or ideas, and a conclusion. All responses to discussion board questions should use proper grammar and spelling and should be in the student's own words. Quotes or information requiring a citation should use APA formatting.

The discussion posts are mandatory in accordance with MCC's Writing Across the Curriculum component. They are a large part of your grade, so make sure to keep up with your discussion assignments.

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Criteria	90-100% of Points	80-89% of Points	70-79% of Points	60-66% of Points
Critical Thinking	rich in content full of thought, insight, and analysis <i>student conducted research from scientific, outside sources and cited references</i>	substantial information thought, insight, and analysis has taken place student conducted outside research, but did not cite sources	generally competent information is thin and commonplace no additional research took place	rudimentary and superficial no analysis or insight is displayed no additional research took place
Peer Discussion	<i>student answers more than one other post</i> showing inquisitiveness, connectivity, or thoughtful debate	at least one other post is answered with thoughtful, insightful comments	One other post answered, but comments short or vague	no other post answered
Uniqueness	made with depth and detail	lack depth and/or detail	rehash or summarize other postings	"I agree with" statement

Required Reading/ Assignments/ Tests/ Due Dates

Course Schedule: Unless otherwise stated, course weeks begin Monday mornings at 8:00 a.m. and the weekly assignments are due the following Sunday at 11:59 p.m. *The following schedule is subject to change at the instructor's discretion to better accommodate student learning, course outcomes, and course flow. Changes will be announced promptly but may occur without prior notice. **Always check Course Messages and Announcements for updates on the schedule.** It may be useful to print out this schedule to refer to during the course.*

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Session	Required Reading / Assignments/ Tests/ Due Dates
Module 1 Week 1: 1/21 - 1/26	An Introduction to Geology. Read Chapter 1. Complete Homework 1 (HW1) (<i>Note: HW1 is due 2/2</i>), Syllabus Quiz, and Exam 1 (EX1). The Discussion Board for Module 1 is your Introduction Post. MAKE SURE SYLLABUS QUIZ and at least 1 other assignment are completed by 1/26 or you could be dropped from the course.
Module 2 Week 2: 1/27 - 2/2	Plate Tectonics. Read Chapter 2. Complete Homework 2 (HW2), Discussion Board 2 (DB2), and Exam 2 (EX2). Initial posts for the Discussion Board are due by 2/5. Responses to classmates for DB2 are due by 2/5. NO LAB. Remember to submit HW1 by 11:59 p.m. 2/2.
Module 3 Week 3: 2/3 - 2/9	Matter and Minerals. Read Chapter 3. Complete Homework 3 (HW3), Discussion Board 3 (DB3), and Exam 3 (EX3). Complete Lab 1. Initial posts for the Discussion Board are due by 2/9. Responses to classmates for DB3 are due by 2/12.
Module 4 Week 4: 2/10 - 2/16	BIG WEEK: Igneous Rocks and Volcanoes. Read Chapters 4 & 5. Complete Homework 4 & 5 (HW4&5), Discussion Board 4&5 (DB4&5), and Exam 4&5 (EX4&5). Lab 2. Initial posts for the Discussion Board are due by 2/16. Responses to classmates for DB4&5 are due by 2/19.
Module 5 Week 5: 2/17 - 2/23	BIG WEEK: Weathering/Soil and Sedimentary Rocks. Read Chapters 6 & 7. Complete Homework 6 & 7 (HW6&7), Discussion Board 6&7 (DB6&7), and Exam 6&7 (EX6&7). Lab 3. Initial posts for the Discussion Board are due by 2/23. Responses to classmates for DB6&7 are due by 2/26.
Module 6 Week 6: 2/24 - 3/1	BIG WEEK: Metamorphic Rocks and Energy and Mineral Resources. Read Chapters 8 & 23. Complete Homework 8&23 (HW8&23), Discussion Board 8&23 (DB8&23), and Exam 8&23 (EX11). Lab 4. Initial posts for the Discussion Board are due by 3/1. Responses to classmates for DB8&23 are due by 3/4.
Module 7 Week 7: 3/2 - 3/8	BIG WEEK: Crustal Deformation and Earth's Interior. Read Chapters 10 & 12. Complete Homework 10 & 12 (HW10&12), Discussion Board 10&12 (DB10&12), and Exam 10&12 (EX10&12). Lab 5. Initial posts for the Discussion Board are due by 3/8. Responses to classmates for DB10&12 are due by 3/11.

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Module 8 Week 8: 3/9 - 3/15	Earthquakes. Read Chapter 11. Complete Homework 11 (HW11), Discussion Board 11 (DB11), and Exam 11 (EX11). Lab 6. Initial posts for the Discussion Board are due by 3/10. Responses to classmates for DB11 are due by 3/25 (<i>notice later date due to the college being closed for Spring Break</i>). MIDTERM EXAM DUE Sunday, March 29. Modules 1-8 are covered.
3/16 - 3/22	Spring Break College Closed
Module 9 Week 9: 3/23 - 3/29	BIG WEEK: Divergent Boundaries and Convergent Boundaries. Read Chapters 13 & 14. Complete Homework 13&14 (HW13&14), Discussion Board 13&14 (DB13&14), and Exam 13&14 (EX13&14). No Lab. Initial posts for the Discussion Board are due by 3/29. Responses to classmates for DB13&14 are due by 4/1. Reminder: MIDTERM EXAM DUE Sunday, March 29. Modules 1-8 are covered
Module 10 Week 10 3/30 - 4/5	Mass Wasting. Read Chapter 15. Complete Homework 15 (HW15), Discussion Board 15 (DB15), and Exam 15 (EX15). Lab 7. Initial posts for the Discussion Board are due by 4/5. Responses to classmates for DB15 are due by 4/8.
Module 11 Week 11 4/6 - 4/12	Running Water. Read Chapter 16. Complete Homework 16 (HW16), Discussion Board 16 (DB16), and Exam 16 (EX16). No Lab. Initial posts for the Discussion Board are due by 4/12. Responses to classmates for DB16 are due by 4/15.
Module 12 Week 12 4/13 - 4/19	Groundwater. Read Chapter 17. Complete Homework 17 (HW17), Discussion Board 17 (DB17), and Exam 17 (EX17). Lab 8. Initial posts for the Discussion Board are due by 4/19. Responses to classmates for DB17 are due by 4/22.
Module 13 Week 13 4/20 - 4/26	Big Week. Glaciers and Deserts. Read Chapters 18 and 19. Complete Labs 9 and 10, Discussion Board 19 (DB19), and Exams 18 and 19 (EX18 & EX19). Initial posts for the Discussion Board are due by 4/26. Responses for DB19 due by 4/29.
Module 14 Week 14 4/27 - 5/3	Shorelines. Read Chapter 20. Complete Homework 20 (HW20), Discussion Board 20 (DB20), and Exam 20 (EX20). Lab 10. Initial posts for the Discussion Board are due by 5/3. No Responses to classmates for DB20 needed

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Module 15 Week 15 5/4 - 5/10	FINAL EXAM. The Final Exam must be completed on Sunday, May 10 at 11:59 p.m. Only modules 9-15 are covered.
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MCC Connect/Help Desk: Learning Management System access issues, password issues, and any other access concerns should be referred to MCC Connect at 866-MOHAVE CC (866-664-2832) or by email to helpdesk@mohave.edu.

HELP IS HERE! The MCC Student Success Center can help you maintain your focus on education. From support in the classroom to navigating life issues (stress, test anxiety, childcare concerns, illness, etc.), the Student Success Center helps turn hassles into tassels. Call MCC Connect at (866) 664-2832 to connect with your campus-based Student Success Center.

Student E-Mail Accounts: MCC uses this email account to send you important information. As a student, it is your responsibility to check this account regularly or forward this email to an account that is checked regularly. For information on how and where to access your MCC student email account, go through the MyMohave portal at <http://mymohave.mohave.edu>

Student Support Services, Programs and Contact Information: Student support is available on all MCC campuses. For all contact numbers see the phone directory and campus locations in the MCC Catalog which is found at <http://catalog.mohave.edu/> for information. Once on catalog home webpage, choose MCC staff in the second paragraph to lead you to the phone directory; choose General Information in the menu on the left of the home page to lead you to campus locations; choose Student Support Services and Programs in menu on the left side of the page for a listing of services.

ADA Statement: Mohave Community College strives to facilitate, within reason, appropriate resources, services, and auxiliary aids to allow each qualified person with a documented disability equitable access to educational programs, social experiences, and career opportunities. If you need accommodations at Mohave Community College for a documented disability, please contact the Student Services Specialist on your campus or the Disability Services Director. Additional information can be located on with website at: <http://www.mohave.edu/resources/disabilityservices>. NOTE: Students who wish to utilize these accommodations must report their concerns to the Disability Services Director, not the instructor.

Title IX Resources: MCC prohibits discrimination on the basis of age, ethnicity, color, disability, gender identity, gender expression, genetic information, national origin, race, religion, retaliation, serious medical condition, sex and sexual orientation. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: domestic violence, sexual violence (sexual assault, rape), sexual harassment and retaliation. For more information on discrimination issues or to file a complaint, please contact your campus dean or visit <http://www.mohave.edu/about/safety>. **NOTE:** The Department of Education requires students to receive training in Title IX once a year at their college or university. If you need to take the training, you will be prompted to

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complete it when logging into Schoology.

Diversity Statement: Mohave Community College is committed to providing equal employment opportunity, educational opportunity, and advancement to individuals without regard to race, color, religion, gender, national origin, age, mental or physical disability, sexual orientation, veteran status, or any other legally protected class in any of its policies, practices, or procedures. Respecting the diversity of life experiences, we seek to celebrate the unique characteristics of all faculty, staff, students and community members. The college shall promote equal opportunity and treatment on a continuing basis through a positive and ongoing affirmative action program. See the MCC Diversity webpage for further information.

Code of Conduct: Students are responsible for abiding by the Student Code of Conduct located in the Student Handbook which can be found at <http://catalog.mohave.edu/>. Choose Student Handbook from the menu on the left side of the home page. Then choose Students Rights and Responsibilities. The Student Code of Conduct is the first item discussed with a link to the total document.

Course Withdrawal Process: It is the student's responsibility to withdraw from a class within the withdrawal period (see the syllabus for withdrawal dates). Ceasing to attend does not constitute a withdrawal. Note that this process takes *four business days*; please plan ahead. Note: When you withdraw from a class:

- You will receive a W with no credit values on your transcript.
- You are not eligible for a refund of tuition or fees.
- If you have received financial aid, you may have to pay back the monies received. You must contact the Bursar's office within 7 days to make payment arrangements on any outstanding amount. You will be unable to register for additional classes or receive a transcript until financial arrangements have been made with the Bursar.

Instructions:

1. Contact a Student Services Specialist who is an expert in Financial Aid to learn how you will be impacted by withdrawing. Call MCC Connect at 866-MOHAVE CC (866-664-2832).
2. Using your MCC student e-mail, notify your instructor at his/her MCC email account that you intend to withdraw from a class.
3. After hearing from your instructor (or after three business days if the instructor does not reply), log in to JICS and complete the withdrawal form. The date the form is submitted will be listed as your last day of attendance.
4. Check your email for a confirmation of the withdrawal. Enrollment Service will send a confirmation of withdrawal to the student, the instructor, Financial Aid, and the Help Desk.

Student Rights and Responsibilities: Students are responsible for abiding by College Policies which cover drug-free campus, emergency procedures, infectious disease, campus safety, sexual harassment, smoke-free environment, use of electronic devices, solicitation, visitor expectations, voter registration, and weapons policy. The student handbook also covers the disruptive student policy and the student honor policy, including academic integrity and plagiarism, copyright compliance, dress code, FERPA information, the grievance process, and how to update personal information. The academic section covers attendance, grading, auditing, incomplete course grades, withdrawals, academic probation and dismissal, withdrawals, and incomplete grade contracts. Students are responsible for abiding by the policies governing these topics that can be found in the MCC Catalog at

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<http://catalog.mohave.edu/>. College Policies are found within the Student Handbook as are other policies in the Students' Rights and Responsibilities section.

Mission Statement: The mission of Mohave Community College is to be a learning-centered institution, serving all constituencies, inspiring excellence through innovation and empowering students to succeed.

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