

Fall 9-1-2018

GEO 102N.00: Intro to Physical Geology Lab

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GEO102N, Section X, 1 credit: Intro to Physical Geology Lab Fall, 2018

Location/meeting time: CHCB111 **Teaching Assistant:** Ellen Smith
TA email: ellen3.smith@umontana.edu **TA Office:** CHCB 316

Course Description: The objective of this course is to familiarize you with basic geologic concepts and the methods used to study them. Lab activities will include identification of mineral and rock samples, working with maps and models of geoscience processes, and completing written lab exercises. Emphasis will be on observation and description, the building of a “geologic toolbox”, and application of these skills to interpreting geologic processes.

Required materials: GEO102 Laboratory Manual – coursepack. Available in UM bookstore.

Pre-labs: Prelabs exercises are assigned most weeks and will be done on Moodle. These are to be **completed before your scheduled lab meeting**. You can log into Moodle by going to UOnline from the UM homepage. You will see your geology lab course listed when you log into Moodle using your Net ID. If you have technical problems with Moodle call UOnline Help at 243-4999 (Weekdays, working day only).

Labs: Labs are designed so that most students are able to complete and turn in the assigned exercises at the end of class. This is much more likely to occur **if you have read through the introductory material and lab activities in advance** of your scheduled lab. Labs must be turned in at your TAs office by 5 PM on the day following your lab period. Note that you must be in attendance at a lab in order to turn it in for credit.

You are encouraged to work together with a group of students in lab, but must hand in your own completed lab, on the lab manual pages, written in your own words. Copying another student’s lab response is considered a form of academic dishonesty, and will not be tolerated!

Communication: Moodle will be used to post information, handouts, and to view a compilation of your grades. Please note that your TA will use only your official UM email address to communicate with you. **It is your responsibility to make sure you check this email regularly to ensure that you receive messages.**

Missing lab: The number one reason for failing this class is missing labs!

Official UM policy: “Students are expected to attend all class meetings and complete all assignments for the course. Instructors may excuse brief and occasional absences for reasons of illness, injury, family emergency, religious observance or participation in a University sponsored activity. (University sponsored activities include, for example, field trips, ASUM service, music or drama performances, and intercollegiate athletics.) Instructors shall excuse absences for reasons of military service or mandatory public service.”

If you must miss a lab for a reason acceptable to your instructor, **you must make contact your TA and make arrangements** with your TA **prior to your scheduled lab time for making it up. Please keep in mind that you need to receive permission from your instructor to attend and receive credit for a make-up lab.** Except in extraordinary circumstances, makeups must be completed by the week following the missed lab. Lab make-up sessions for the previous week’s lab are offered on Sunday evening at 6 PM. Completed labs should be turned in to your assigned TA regardless of the lab period attended.

Assessment: Please note: You must take the class with traditional grading and earn a C- or better to apply it towards the Gen Ed lab science requirement.

Labs	88%	<i>Extra credit worth the equivalent of one lab will be offered.</i>
Exams	<u>12%</u>	
Total	100%	

Final course grades will be assigned as follows:

A 93-100%	A- 90-92%	B+ 87-89%	B 83-86%	B- 80-82%	C+ 77-79%
C 73-76%	C- 70-72%	D+ 67-69%	D 63-66%	D- 60-62%	F ≤ 59

Honor Code: *Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at: http://www.umt.edu/vpsa/policies/student_conduct.php*

Students with Disabilities: *Students with disabilities will receive reasonable modifications in this course. Your responsibilities are to request modifications with sufficient advance notice, and to be prepared to provide verification of disability and its impact from Disability Services. Please speak to your TA after class or during office hours to discuss the details. For more information, visit the Disability Services for Students website at <http://www.umt.edu/dss/>*

Physical Geology Lab (GEO102)

Schedule Fall, 2017

Dates	Lab	Topic
Aug. 27	One	Geoscience Toolbox
Sept. 3	Two	Plate Tectonics
Sept. 10	Three	Minerals
Sept. 17	Four	Igneous Rocks
Sept. 24	Five	Sedimentary Rocks
Oct. 1	Six	Metamorphic Rocks
Oct. 8	Lab Midterm Exams	
Oct. 15	Seven	Geologic Time
Oct. 22	Eight	Topographic Maps
Oct. 29	Nine	Geologic Structures
Nov. 5	Ten	Campus Field Trip
Nov. 12	Eleven	Earthquakes
Nov. 19		Thanksgiving Break – no lab
Nov. 26	Twelve	Streams and Geomorphology
Dec. 3	Thirteen	Glaciers and Climate
Dec. 10	Final Exam	Note that exams will be held at scheduled final exam time – not at regular class time!