

SURVEY OF GEOLOGY
GEOLOGY 111G (Section 2)
4 Credits, Spring 2011

Lecture:	T/Th 1020-1135 am	208 Hardman Hall
Lab	1 session per week	117 Gardiner Hall
Office hours:	M: 1-2 pm or by appt.	160 Gardiner Hall
Professor:	Dr. Jeff Amato	

Textbooks (required):

How Does Earth Work, Smith and Pun, 2nd edition

Physical Geology Laboratory Manual, Vicki Harder, available from the Bookstore

Web page: <http://www.nmsu.edu/~geology/amato/classes/111g/111g.html>

Blackboard: Lecture slides and syllabus. I am a Blackboard novice so be patient.

Objectives: This class will provide an introduction to the field of geology. After taking this course you should be able to have a better appreciation for the world around you. You might be a better-informed citizen of the planet. Something you learn might help you someday when you are in an earthquake, hurricane, or flood. You might be able to help prevent the collapse of civilization, as we know it. Also, this course is a suitable introduction to geology for Education majors and it satisfies the University science requirement for students not majoring in geology. It serves as the initial course for Geology majors.

Course Requirements: 111G consists of two lectures per week plus a three-hour laboratory. The lab is designed to teach hands-on knowledge of geology, such as rock and mineral identification and geologic map interpretation. It is an important part of the course and represents a significant part of the time you will devote to the course. The laboratory counts for 25% of your total grade. Check your registration form to be sure that you are enrolled in a laboratory section. Make-up lab is Friday from 4 pm to 7 pm. You can only makeup 3 labs, so plan accordingly. **You must pass the lab (score of at least 60%) to pass the course.**

Reading: All reading assignments on the schedule are from the required textbook. Lecture material will come from the reading as well as from other sources.

Announcements: Your official NMSU e-mail address will be used for occasional announcements. You can set up forwarding to your alternative e-mail address.

Interested in becoming a Geology major? Talk to me anytime.

Interested in another Geology class? We have two Viewing a Wider World Classes:

GEOL 305V: Fossils and the Evolution of Life (every Spring semester)

GEOL 335V: Natural Hazards and Civilization (every Fall semester)

Grades

This class will be letter graded, based on the criteria below:

Exams (75%): Exams will be based mainly on the content of the lectures. Reading assignments supplement the lectures because not everything can be covered in the lectures and many important concepts cannot be learned on the basis of hearing a single lecture. Some exam questions will be based on the reading assignments. There will be three midterms and one final. Each test will thus be worth 15% of the final grade, with the final (essentially cumulative but emphasizing the material following the third test) worth 30%.

Lab (25%): See the syllabus you will get during your first lab session.

Other Policies

Rule #1: Cardio

Rule #2: Be on time

Rule #3: No cell phone use. No texting. No sending texts. No reading texts. Give it a rest.

Rule #4: No makeup exams. I will not give make-up exams unless there is an official NMSU letter or medical excuse. Generic excuses from the Health Center are insufficient.

Rule #5: No cheating. Plagiarism is absolutely not tolerated. It is usually extremely obvious if the work you turn in is not your own, whether on an exam, on papers, or in lab. Do your own work! Both parties involved in incidents such as this are equally at fault and will be penalized by either failing the assignment, failing the test, failing the class, or possible expulsion from the University.

The current University definition of plagiarism can be found at
<<http://www.nmsu.edu/%7Evpsa/SCOC/misconduct.html>>.

Feel free to call Jerry Nevarez, Director of Institutional Equity, at 575-646-3635 with any questions you may have about NMSU's Non-Discrimination Policy and complaints of discrimination, including sexual harassment.

Feel free to call Michael Armendariz, Coordinator of Services for Students with Disabilities, at 575-646-6840 with any questions you may have on student issues related to the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act of 1973. All medical information will be treated confidentially.

Course Schedule: 111G, Spring 2011

Date	Month	Day	Topic	Readings
13	January	Thursday	Introduction	
18	January	Tuesday	Origin of the Solar System-Earth Structure	Chapter 1
20	January	Thursday	Plate Tectonics	Chapter 1
25	January	Tuesday	Minerals and Gems	Chapter 2
27	January	Thursday	Rocks and the Rock Cycle	Chapter 3
1	February	Tuesday	Igneous Rocks	Chapter 4.1-4.4
3	February	Thursday	Volcanoes	Chapter 4.5-4.10
8	February	Tuesday	Exam 1	
10	February	Thursday	Sedimentary Rocks and Environments	Chapter 5
15	February	Tuesday	Depositional Settings	Chapter 5
17	February	Thursday	Metamorphism	Chapter 6
22	February	Tuesday	Fossils and Relative Ages	Chapter 7
24	February	Thursday	Geochronology and the Age of the Earth	Chapter 7
1	March	Tuesday	Geobiology/Geology and Society	
3	March	Thursday	Exam 2	
8	March	Tuesday	Folds, Faults, and Deformation	Chapter 8
10	March	Thursday	Folds, Faults, and Deformation	Chapter 9
15	March	Tuesday	Earthquakes	Chapter 11
17	March	Thursday	Museum Field Trip *See below	
22	March	Tuesday	No class: Spring Break	
24	March	Thursday	No class: Spring Break	
29	March	Tuesday	Tectonics and Surface Relief	Chapter 13
31	April	Thursday	Soils and Landscapes	Chapter 14
5	April	Tuesday	Landslides	Chapter 15
7	April	Thursday	Exam 3	
12	April	Tuesday	Rivers	Chapter 16
14	April	Thursday	Las Cruces Water Issues	Chapter 17
19	April	Tuesday	Oceans and Glaciers	Chapter 18-19
21	April	Thursday	Deserts and Wind	Chapter 20
26	April	Tuesday	Mineral and Energy Resources	
28	April	Thursday	Climate and Global Warming	Chapter 21
5	May	Thursday	FINAL EXAM: 10:30-12:30	

*Museum trip is an optional, extra-credit excursion to the Zuhl Museum at the NMSU Alumni and Visitors Center. The Alumni Center is located at 775 College Dr. near the police department between Knox and Union. Turn in Handout by March 18 at 5 pm in Gardiner 171 or give to TA at end of field trip.