

Geology 1103

Applied Geology Laboratory

Syllabus for Spring Semester 2008

Laboratory Manual: *Environmental and Applied Geology*, ASU faculty
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Office Hours:

M:	10 - 11:30	1 - 2	
T:	10 - 11:30	1 - 2	
W:	10:30 - 11:30		2 - 3
R:	9 - 10	1 - 2	

Course Objectives

To present the student with a series of practical exercises illustrating the variety of applications geology has in a modern society.

Grading

There will be 8 quizzes, (one for every laboratory except the last two) whenever we meet in the classroom. Each is worth 10 points, and the lowest score will be dropped. The quizzes will make up 60% of the total lab grade with the remaining 40% coming from a comprehensive final on the last day of lab. At the end of the term, the average scores will be adjusted upward to 75% if necessary, and the percentage grade for this laboratory will then be reported to your lecture professor for inclusion in your overall geology grade. Note that the laboratory makes up 25% of the total geology grade. Historically, the average grade for this laboratory falls into the C range.

Policies and Information

Because the laboratories generally require the set-up and preparation of extra materials, it is not possible to make up a laboratory class in a subsequent week. This is why we insist on regular attendance. Quizzes can be made up, but only within three weeks of the original quiz date. All pending work must be completed before 5 pm Friday of the last week of labs. Materials for outside of class study, such as maps and handspecimens, are held in the reserve reading room of the library and are stored under the class name and number, not the name of the professor teaching the lab section. Additional materials, sample problems and questions can be found at my home page.

The policy of the Department of Geology with regard to laboratory attendance in Geology 1101, 1102 and 1103 is that a student is allowed **three** absences (this includes absences beyond the control of the student and those for which the student is responsible). There are **no** excused absences. ***If a student misses a fourth lab he or she will automatically fail both the laboratory and the course.***

Please have some consideration for your peers and turn off any personal electronics such as cell phones, beepers, or musical devices before class begins.

In the event of an emergency such as a fire alarm, you must leave the building. You may gather your personal belongings if time permits, but note that remaining in or reentering the building without permission is against the law and could subject you to criminal prosecution. After leaving the building, you must stay at least 50 feet away to allow access for emergency personnel. You will be instructed as to whether the class will reconvene elsewhere or be canceled.

Helpful Hints

The two most significant sources of frustration with geology laboratories have a single cause: preparation. The quizzes in this laboratory are not of the cram-for-ten-minutes-before-class variety; this is a very good way to get a very poor grade. Consider instead each quiz as an exam on a particular topic. During the lab, students often attempt to answer questions in the lab book without reading the relevant parts of the chapter first, then ask me to explain something that was previously explained in the book. Keep in mind that there is a limited amount of time and instructor available; if I have to describe what is already printed verbatim in the lab book, there are fewer opportunities for me to clarify other topics.

You can easily head off frustration by being prepared for class beforehand.

Tentative Lab Schedule

<u>Week of</u>	<u>Topic</u>	<u>Lab#</u>	<u>Quiz on</u>
Jan. 14	<i>No Labs - 1st week of classes</i>	–	–
21	<i>No Labs - MLK Holiday</i>	–	–
28	Volcanic Hazards	1	–
Feb. 4	Tsunamis/Coastal Groundwater contamination	3	1
11	Albuquerque Groundwater contamination	4	3
18	Coastal Hazards	5	4
25	Lab X	–	5
Mar. 3	Walking Field Trip for Boone Creek	6	–
10	<i>No Labs - Spring Break</i>	–	–
17	Safe Waste Disposal	8	X & 6
24	<i>No Labs - Easter Holiday</i>	–	–
31	Aspects of Environmental Geology	9	8
Apr. 7	Stream Hydrology	7	9
14	Bus Field Trip	TBD	–
21	Lab Finals	–	–