Geology 102 Lab – Geology of Planet Earth Lab
Spring 2017
Instructor: Marius Vilkas

Office hours: LO 1224 Wednesday 1-3 PM, or by appointment

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Course Information:
Location: EH 2221
Sections: Monday 11:00 AM-1:45 PM (16589), Thursday 2:00-4:45 PM (17550)
Required text materials: Laboratory Manual for Introductory Geology 3rd edition by Allan Ludman and Stephan Marshak

Course Objective:
This course compliments the Geology 101 lecture; you should be able to apply the concepts learned in the lecture class to the lab exercises. Topics covered during this lab course include: the geologic timescale, rock and mineral identification, plate tectonics topographic maps, natural resources, and hazards.

Course Requirements:
This is a hybrid lab class, which means that some labs, along with some supplemental information for the class will be on Moodle. You must have access to a computer and the Internet, and you are responsible for checking Moodle and your student e-mails regularly for updates and communications regarding this class. Attendance is mandatory for the in class labs, and you will NOT be able to make up any labs, NO exceptions.

Grading:
Your grade in this class will be based off the quality of your completed lab assignments (65%), quizzes (15%), final exam (20%), attendance, and participation. See grading scale below.

Labs: You are responsible for printing each lab and bringing it to class with you. There will be one or two labs per (see lab schedule). In-class labs will be due at the end of the class period (no exceptions). A few of the labs are on Moodle; these labs will be due by 11:55 pm the day they are scheduled (unless otherwise instructed). Moodle labs will be available beginning no later than 2 days before the class it is due on. Working in groups (turning 1 lab per group) is optional (no more than 6 per group). If you want to turn in a separate lab, but still wish to work with a partner(s), you MUST include the names of each individual that you worked with to preserve legitimacy.

I will drop your lowest-graded lab score
THERE ARE NO MAKE-UPS FOR MISSED LABS (In-class or on Moodle)

Quizzes: All quizzes will be on Moodle, they will be available the morning they are scheduled (see lab schedule), and will close at 11:55 pm the following week. These are open book quizzes but will be timed. There are no make-ups on quizzes so make sure your Internet connection is solid.
**Final Exam:** The final will be a cumulative test on topics covered in this lab and will be on the last day of class, not during Finals Week.

### Grading Scale

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>(&gt;92%)</td>
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<tr>
<td>A-</td>
<td>(90-91.9%)</td>
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<td>B+</td>
<td>(88-89.9%)</td>
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<td>B</td>
<td>(82-87.9%)</td>
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<tr>
<td>B-</td>
<td>(80-81.9%)</td>
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<td>(62-67.9%)</td>
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<tr>
<td>D-</td>
<td>(60-61.9%)</td>
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<td>F</td>
<td>(&lt;59%)</td>
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### Week of Lab # | Topic
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Jan 23 | Syllabus week; Introduction
Jan 30 | 1 Lab 1: Observing & Measuring Earth Materials & Processes
Feb 6 | 2 Lab 2: Plate Tectonics and the Origin of Magma
Feb 13 | 3 Lab 3: Mineral Properties, Uses, and ID
Feb 20 | 4 & 6 Lab 4: Rock-Forming Processes & the Rock Cycle
Lab 6: Sedimentary Rocks, Processes, & Environments (Rock ID)
**Quiz 1:** Labs 1,2,3,4,& 6 (on Moodle, due on your class day by 11:55 pm)
Feb 27 | 5 & 7 Lab 5: Igneous Rocks & Volcanic Hazards (Rock ID)
Lab 7: Metamorphic Rock, Processes, and Resources (Rock ID)
Mar 6 | 8 Lab 8: Dating of Rocks, Fossils, & Geologic Events
Mar 13 | 9 & 10 Lab 9: Topographic Maps, Aerial Photographs, & Satellite Images
Lab 10: Geologic Structures, Maps, & Block Diagrams
**Quiz 2:** Labs 5,7,8,9, & 10 (Moodle, due on your class day by 11:55 pm)
Mar 20 | **SPRING BREAK (NO CLASS)**
Mar 27 | **NO CLASS (Cesar Chavez Day (week))**
April 3 | 11 & 12 Lab 11: Stream Processes
Lab 12: Groundwater
April 10 | 14 &15 Lab: 14 Dryland Landforms
Lab 15: Coastal Processes, Landforms, Hazards, & Risks
April 17 | **NO CLASS**
April 24 | 16 Lab 16: Earthquakes/seismology
**Quiz 3:** Labs 11,12,14,15,16 (on Moodle, due on your class day by 11:55 pm)
May 1 | Review Week (but subject to change)
May 8 | **FINAL EXAM**
May 15 | **Final’s week (NO FINAL)**
**Additional Course Information:**

**Academic Dishonesty:** I will not tolerate any form of academic dishonesty. This includes, but is not limited to copying answers during an exam, plagiarism, facilitating cheating by another student, and altering answers after grading. If I find evidence of academic dishonesty, I will report it to the Office of the Vice President for Student Affairs and recommend a letter of admonishment. If you are caught cheating on exam or assignment, you will receive a failing grade for the exam or assignment. Multiple offenses will result in a full grade deduction for the entire course, as well as disciplinary action and possibly expulsion.

**Attendance and participation:** It is essential that you attend all labs and that you arrive on time. **No lab or quiz make-ups.** Participation and attendance will be accounted towards final grades (which could bump your letter grade if it is on the border).

**Class Conduct:** The use of cell phones and other electronic devices are not permitted, since they are distracting and are possible tools for academic dishonesty. Refrain from bring food into class, drinks are okay but please keep an eye on them. Respect your classmates and work together. Do not distract the class when I am addressing the class. Excessive disruption will force me to ask you to leave and turn in your lab, finished or not. The lab will be graded as is.

**Let's have fun and enjoy the semester!**

**Note:** This syllabus and the lab schedule are subject to change