GEOLOGY 202
Dynamic Earth: Surface
CRN 41449 (3 credits), Winter 2016

Location: Portland State University,
Lecture CH53 9:00-9:50 MWF
Instructor: Dr. Alex Ruzicka
CH 17K, 503-725-3372
e-mail: ruzickaa@pdx.edu
Office Hours: MF 12:00-1:00. Please make arrangements with me if you would like to meet outside of this time.

Class website: http://web.pdx.edu/~ruzickaa/G202 This website will include answer keys and score distributions.

Course Description: Introduces physical geology which deals with surface processes (weathering, mass wasting, streams, groundwater, glaciers, wind, and coastal processes). There is no prerequisite for this course, although there is a required laboratory section (G205, 1 credit; or G207, 2 credits). G207 together with G202 can also be used for Sophomore Inquiry UNST credits.


Exams: There will be three Midterm Exams during the term. Exams will be multiple choice. The best 2 of 3 scores on midterms will be used to determine grades for the class. No make-up exams will be given unless a student is able to provide a signed doctor’s note acknowledging sickness or unless mutually acceptable arrangements can be made to take the test in advance. In addition, there is a comprehensive final, on Tuesday, Mar 15, from 8:00-9:50. You will need to obtain Scantron forms for the Midterms and Final (four copies of Form 882-ES). These can be purchased at the bookstore.

Extra Credit (optional): You can earn additional points in an extra credit assignment. Different project types and amounts of extra credit are offered. Extra credit projects include: (1) Attend a day field trip to the Willamette Valley (G200 sec 006, field trip date Feb 27, pre-trip meeting 2-3 PM Feb 26; see PSU Course Catalog) sponsored by the Geology department, and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class]; (2) Attend a day field trip to the coast (G200 sec 007, field trip date March 5, pre-trip meeting 2-3 PM March 4; see PSU Course Catalog) sponsored by the Geology department, and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class]; (3) Read three or more geology-related articles in a popular magazine, and provide a 3-page typed critique of the articles, including the titles and authors of the articles, their length, and the name and date of the magazines in which they appeared, focusing your critique on what you liked and didn’t like about the articles, and whether you would recommend them to your peers [up to 1% extra for your total score for the class]; (4) Participate in a “Geoscavenge hunt” by traveling and obtaining good pictures of various geological features discussed in this class [up to 2% extra for your total score for the class; see the class website for more details]. Multiple extra credit can be obtained but a 5% maximum is set for extra credit. Extra credit will be graded on a subjective
Grades: Grading is done on a straight scale although curves will be used at my discretion. Grades will be assigned based on scores as follows: 95% or above = A, 90-94.99% = A-, 87-89.99% = B+, 83-86.99% = B, 80-82.99% = B-, 77-79.99% = C+, 73-76.99% = C, 70-72.99% = C-, 67-69.99% = D+, 63-66.99% = D, 60-62.99% = D-, less than 60% = F.

Grades will be determined from performances on:

- 3 Midterm Exams ............... 60% (best two of three)
- Final Exam....................... 40%
- Extra Credit...................... up to an additional 1-5%, depending on project(s) chosen

Other policies: Students who do not attend classes during the first two weeks or hand in an “acknowledgment of syllabus receipt” form may be withdrawn by the instructor. If you have a disability and need an accommodation, please make arrangements to meet with me outside of class. PSU students requesting accommodations must provide documentation of disability and work with the Disability Resource Center (DRC) office (503-725-4150). It is the responsibility of the student to arrange makeup tests at the DRC or SHAC testing center (503-725-5301) and to work with the instructor so that mutually acceptable times can be arranged. Each student is responsible for all of the content of all of the classes, including lecture material which may not be in the text. If you miss lecture, it is your responsibility to learn the material covered.

TENTATIVE COURSE OUTLINE & CHAPTERS COVERED IN BOOK (revised 1/12/2016):

<table>
<thead>
<tr>
<th>Monday</th>
<th>Wednesday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 - No class, university closure</td>
<td>1/6- Introduction (parts of Ch. 3,4,6,7, Interlude C)</td>
<td>1/8– Introduction (parts of Ch. 3,4,6,7, Interlude C)</td>
</tr>
<tr>
<td>1/11– Geologic time (Ch. 10,11, Interlude E)</td>
<td>1/13-- Geologic time (Ch. 10,11, Interlude E)</td>
<td>1/15– Geologic time (Ch. 10,11, Interlude E)</td>
</tr>
<tr>
<td>1/18-- MLK Holiday, No class</td>
<td>1/20- Mass movement (Ch. 13)</td>
<td>1/22– Mass movement (Ch. 13)</td>
</tr>
<tr>
<td>1/25-- Streams &amp; floods (Ch. 14, Interlude F)</td>
<td>1/27- Streams &amp; floods (Ch. 14, Interlude F)</td>
<td>1/29– Streams &amp; floods (Ch. 14, Interlude F)</td>
</tr>
<tr>
<td>2/1– Exam 1</td>
<td>2/3- Shores &amp; coastal processes (Ch. 15)</td>
<td>2/5– Shores &amp; coastal processes (Ch. 15)</td>
</tr>
<tr>
<td>2/8– Groundwater (Ch. 16, Interlude F)</td>
<td>2/10- Groundwater (Ch. 16, Interlude F)</td>
<td>2/12– Groundwater (Ch. 16, Interlude F)</td>
</tr>
<tr>
<td>2/15– Deserts &amp; the work of winds (Ch. 17)</td>
<td>2/17- Deserts &amp; the work of winds (Ch. 17)</td>
<td>2/19– Glaciers &amp; ice ages (Ch. 18)</td>
</tr>
<tr>
<td>2/22-- Glaciers &amp; ice ages (Ch. 18)</td>
<td>2/24 Glaciers &amp; ice ages (Ch. 18)</td>
<td>2/26 Exam 2</td>
</tr>
<tr>
<td>2/29-- Plate tectonics &amp; the Earth’s interior (Ch. 1,2, interlude D)</td>
<td>3/2 Plate tectonics &amp; the Earth’s interior (Ch. 1,2, interlude D)</td>
<td>3/4– Plate tectonics &amp; formation of the Earth’s ocean basins (Ch. 2)</td>
</tr>
<tr>
<td>3/7-- Extra credit due; Plate tectonics &amp; formation of Earth’s continents (Ch. 4, 9)</td>
<td>3/9 Plate tectonics &amp; formation of Earth’s continents (Ch. 4, 9)</td>
<td>3/11– Exam 3</td>
</tr>
<tr>
<td>3/15 Tuesday Final Exam, 8:00-9:50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ACKNOWLEDGMENT OF SYLLABUS RECEIPT:
Physical Geology, CRN 41449 (3 credits), Winter 2016

I have received a copy of the course syllabus for this class, and the instructor has discussed the contents of this syllabus.

NAME (please print) __________________________________________________________

Last                          First                            MI

Signature ______________________                          Date____________________

A phone number where you can be reached: ________________________________

e-mail address:______________________________

Have you had any previous Geology classes. If so, what and where?

What field are you majoring (planning to major) in?

Why did you choose to take this particular class?