

**Geology 1100 - Physical Geology – Spring 2013**  
**Tuesday and Thursdays 1:20-2:35 CR 129**

Instructor	Office	e-mail	Phone	Office hours
Dr. Kenneth Sims	GEO 314	<a href="mailto:ksims7@uwyo.edu">ksims7@uwyo.edu</a>	766-3306	M 1:30-2:45PM TR 9-10AM By appointment
Dr Erin Campbell-Stone (Lab director)	GEO 207	<a href="mailto:erincs@uwyo.edu">erincs@uwyo.edu</a>	766-2053	T 1-3, W 9-10

\*You should feel free to contact the instructors about the material they present. Please use email or office telephone numbers, no calls at home, please.

**Lecture Notes:** Can be downloaded at University of Wyoming's eCompanion.

**Laboratory:** No laboratory the first week of classes. Labs begin on the week of January 21<sup>st</sup> in GEOL 211. The labs are an essential component of this course (40%; see below).

**Grading:** There are 100 points possible in this course. Lectures and laboratories are related but run separately. Regarding lecture, there are 4 in class exams worth 10 pts each. There is also a final comprehensive test worth 20 points. Laboratories are run under the direction of Erin Campbell-Stone along with your specific TA. Laboratory material is worth 40 points towards your final grade. The following is a break down of the grade assessment.

Lab:	40 points
Final Exam:	20 points
Four Tests (10 points each)	40 points
<b>TOTAL POSSIBLE POINTS</b>	<b>100 POINTS</b>
<b>Class Contribution</b>	<b>05 extra points</b>

**Tests:** *Tests must be taken on the scheduled date.* Make-up exams will be given only to students with an official University excuse, and exams must be made up within one week after returning from an excused absence. Grading will be on a standard scale (90s = A, 80s = B, etc.). Individual exams will not be curved.

Note the dates for exam schedule and final. If you cannot make those times, you need to drop the class now. No electronic dictionaries. International students may ask for clarification of English terms during the test. Students must bring an ID to the exam.

**Lab:** *Laboratory exercises must be turned in on the date specified to receive credit—* no late assignments will be accepted without an official University excuse! Grading will be on a standard scale (90s = A, 80s = B, etc.). Individual assignments and exams will not be curved.

***Class Participation/Contribution:***

***Positive class contribution is strongly encouraged and can lead to additional credit.*** So, if you feel that you have contributed significantly in a class session, with either a thoughtful question or comment, or in response to one of my promptings, please come see me after class or during my next office hours. I will note this specific class contribution toward your extra credit.

***On the converse side- negative distracting behavior will not be tolerated.*** No talking, texting, reading newspapers, etc. *You will be kicked out of the room if you are a distraction for me or the other students.*

***Required textbooks:***

How Does Earth Work, by G. A. Smith and A. Pun, published by Prentice Hall. This text is available at the University Bookstore. Note that with the purchase of this textbook you are provided access to [www.mygeoscienceplace.com](http://www.mygeoscienceplace.com), which has additional material including: online practice quizzes, animations, self-study media etc. The access code is given inside your textbook. Take advantage of this

Lab manual, assembled by Dr. Campbell-Stone, available at the University Bookstore

***Academic dishonesty:*** Academic dishonesty is defined by UW regulation 802, revision 2, as “an act attempted or performed which misrepresents one’s involvement in an academic task in any way, or permits another student to misrepresent the latter’s involvement in an academic task by assisting the misrepresentation.” Plagiarism and cheating are not tolerated, and there is a well-defined university procedure to judge such cases.

***Final Exam: Tuesday, May 7th, 1:15PM-3:15 PM (i.e. 13:15-15:15).***

Final exam timing is dictated by the University. For complete listing go to the registrar: [http://www.uwyo.edu/registrar/class\\_schedules/spring2013/sp13finals.pdf](http://www.uwyo.edu/registrar/class_schedules/spring2013/sp13finals.pdf)

Students who have two exams at the same time or more than two exams in one day and who wish to ask for an exception must complete the Final Exam Conflict form available from the Office of the Registrar no later April 25<sup>th</sup>.

**If you can’t take the final at the appointed time for some other reason, you should drop the class.** A document identifying exam rooms will be published approximately 30 days prior to the first day of final exams.

If you have questions about final exams, refer to UW Regulation 6-403 at [www.uwyo.edu/legal/uniregs/ur403.htm](http://www.uwyo.edu/legal/uniregs/ur403.htm)

**Posting of Grades.** Grades for Labs and Exams will be posted on eCompanion

## LECTURE SCHEDULE (SPRING, 2013)

Date	Lecture	Reading
<b>January</b>		
15 (1)	Organizational Meeting	Chapter 1
17 (2)	Why Study Geology?	Class Notes
22 (3)	Nucleosynthesis, Origin of the Solar System and Early Earth	Class Notes
24 (4)	Geologic Time I: Measurements, Oral Tradition, Theories, Beliefs	Class Notes
29 (5)	Plate Tectonics I: The Unifying Theory of Geology	Class Notes
<b>31 (6)</b>	<b>TEST #1</b>	
<b>February</b>		
5 (7)	Minerals	Chapter 2
7 (8)	Rocks and Rock Forming Processes	Chapter 3
12 (9)	Formation of Magma and Igneous Rocks	Chapter 4
14 (10)	Weathering: Formation of Sediment and Sedimentary Rocks	Chapter 5
19 (11)	Metamorphic Rocks and the Rock Cycle	Chapter 6
<b>21 (12)</b>	<b>TEST #2</b>	
26 (13)	Geologic Time II- Atoms as clocks	Chapter 7
28 (14)	Geologic Time II- Examples of Earth Materials as chronometers	Chapter 7
<b>March</b>		
5 (15)	Earth Structure	Chapter 8
7 (16)	Motion Inside the Earth	Chapter 9
12 (17)	Plate Tectonics 2:Ridges; Rifts ('Divergent Margins') and Plumes	Chapter 10
14 (18)	Plate Tectonics 3:Subduction Zones ('Convergent Margins')	Chapter 11
18-22	Spring Break	
26 (19)	<b>REVIEW</b>	
<b>28 (20)</b>	<b>TEST 3</b>	Chapter 12 ,,
<b>April</b>		Chapter 13
1-5	ADVISING WEEK (i.e. see your advisor!)	
2 (21)	Tectonics and Surface Relief:	
<b>4 (22)</b>	Erosion; Soil Formation; Landscape Stability; Mass Movement	
9 (23)	Water and you: Oceans, Streams and Groundwater	Chapter 14, 15
11 (24)	Glaciers: Sculptures of Continents	Chapter 16, 17
16 (25)	Wind: The pervasive and persistent force	Chapter 18
18 (26)	<b>REVIEW</b>	Chapter 19
<b>23 (27)</b>	<b>TEST #4</b>	Chapter 20
25 (28)	Sea Level Change and Natural Climate Variability	
30 (29)	Global Warming & Climate Change: Anthropogenic Effects	Chapter 21 Class Notes
<b>May</b>		
2 (30)	Yellowstone- Our neighboring super-volcano and you.	
6-10	Final Exam Week	
<b>May 7th</b>	<b>Final Exam: May 7th, 1:15PM-3:15 PM</b>	