**GEOL 107.1: Volcanoes, Earthquakes and Civilization – Spring 2015**

**Senior Lecturer:** Ms. Keegan Fengler

**Email/phone:** [keegan@geology.cwu.edu](mailto:kaspari@Geology.cwu.edu) (509) 963-2706**\*BEST to contact me through Canvas Inbox\***

**Office Hours:** Lind 117C, Wednesday and Thursday 2-3:20PM or by appointment.

**Lecture Class meets:** Mon., Tues., Weds., and Thurs from 9:00-9:50AM in Black 150

**Required text and online access:**

**Text:** *Pearson Custom Library Geology 107 Volcanoes, Earthquakes, and Civilization*

**Online Access:**

1. CWU Canvas. ***I will post announcements, lecture slide, calendar, grades and some videos.*** *This is free* and you should have access to this once you are fully registered for this class.
2. My Lab and Mastering. ***You will use this for all your reading assignments and homework, will be posted here.*** Access to for My Lab and Mastering cost ~$38. To purchase an access code you can do it in 2 ways…
   * + - 1. purchase the Access Code from the bookstore (*comes with new textbooks)*
         2. *purchase the first time you use the “My Lab and Mastering” tab with in Canvas.*

*Overview of this Course*

**Course Description**: The role of natural geologic processes such as volcanoes, earthquakes and climate change in shaping the earth, the environment and human civilization. As this in an introductory course in the department of Geological Sciences, we will also learn the basic principles that help us understand our dynamic planet.

**Learning objectives:** Students should complete GEOL 107 with an understanding of:

* The scientific method and its application to the development of geoscience (also to help you become critical thinkers!)
* The origin and internal structure of the Earth
* Plate tectonic theory
* The origin, type and distribution of volcanoes in the world
* The causes and distribution of earthquakes on Earth
* The impact of earthquakes and volcanoes in geologic history and on human civilization, past and future
* Prediction, measurement and hazard mitigation for both volcanoes and earthquakes
* Causes and impacts of natural climate variability

*Components of this Course*

**MyLab Reading Assignments**: There will be weekly reading quizzes under the *My Lab and Mastering Geology* link. **DUE at 11:59PM on Mondays of each week.** The quizzes will be 10 to 15 questions in length and will contain material from the reading listed for each week. These will be open book and open note quizzes. You can expect to see these questions, in a different form, on the next exam. ***There will be NO make-up quizzes.***

**MyLab Homework:** You will have weekly homework assignments under the *My Lab and Mastering Geology* link*.* Each homework assignment will be **due on Fridays at 11:59PM**. ***I do not accept late homework***

**Other Assignments:** Through out the quarter you will be other assignments. These will be either on Canvas or in class. Due dates will vary.

**Midterm Exams**: There will be 3 exams**.** Exams will consist of 2 parts; individual and group. The individual portion *(completed on your own)* will be worth 70% of the exam grade. The group portion *(completed with the use of your textbook, notes and classmate)* will be worth 30% of the exam grade. Midterm exams will cover all material presented since the previous exam. On exam days, **bring a #2 pencil and your student ID number**. ***Make up exams will only be allowed if PRE-arranged with instructor.***

**Final Projects:** You will be working in groups of 2 to research, prepare and present a research poster on a specific volcanic eruption or earthquake event. Posters should cover information on the geologic context of the volcanic eruption or earthquake, and the impacts of the event on civilization. Each group can choose their own topic, but multiple groups cannot present on the same topic. I will provide a sign-up sheet in class. *Further details will be provided in class.*

*Course Grading*

**Grades:** Homework 10%

Reading Assignments 10%

Other Assignments 10%

Midterm Exams 50%

Final Project 20%

Final grades will be based on the % of total points:

A=>93%; A-=90 to <93%; B+=87 to <90%; B=83 to <87%; B-=80 to <83%;C+=77 to <80%; C=73 to <77%; C-= 70 to <73%; D+=67 to <70%; D=63 to <67%; D-=60 to <63%; F=<60%

**\*\*\*There is NO extra credit and I do not grade on the curve\*\*\***

**My General Policies for Class**  *These policies are in place so that all students are treated fairly in class.*

* I do not accept late online homework. I will drop one reading quiz at the end of the quarter. This gives you on “oops”.
* In general, there is NO extra credit. If there is a special event that your instructor feels is beneficial an  extra credit opportunity maybe offered.
* If you miss class it is your responsibility to get notes from another student and check online for lecture  slides and any announcements
* If you need to miss an exam (for illness or other academic obligation) you must contact your instructor  as soon as you know. If you wake up ill the morning of an exam, send me an email letting me know ASAP. Make up exams must be completed with in a couple days of the original exam and is subject to your instructor’s availability.

**The Learning Environment**

* Please treat this classroom and your fellow students with respect by *being on time, attentive and engaged in the topics be covered.*
* College is part of your job training for a future career, so even if you do not like the topic do your best and do not take away from others learning experience.
* ***REMEMBER: PLEASE- NO CELL PHONES OR TEXTING DURING CLASS.***  **Other Information**

*“Tell me and I forget.*

*Teach me and I remember.*

*Involve me and I learn.”*

**-** [**Benjamin Franklin**](http://www.brainyquote.com/quotes/authors/w/will_durant.html)

**How to do well in this class:**

You will be provided with everything you need to succeed in this class. All exam material is covered in class, in the book, MasteringGeology homework and posted on Canvas. *I will give you one-on-one help if you ask for it.* Please feel free to ask! Simply reviewing the books and scanning the lecture slides will yield poor results. Here are my suggestions for doing well in this course:

* **Attend class.** VERY IMPORTANT.
* **Take good notes**. Understand all diagrams. *If I am drawing a concept sketch it must be important, so you*  *should draw it too!*
* **Assigned reading material should be read before lecture**. Reading will be posted weekly. Once you know the assigned reading sections you should review the *Concept Goals* for the sections, read the sections, then review by doing the *Concept Checks.* There are more ways to review the material in the back of each chapter also.
* **Complete all homework** – I assign these for your benefit; please make sure to complete them by the due date.
* **A suggestion for studying:** Combine the information from the lecture slides with your class notes, information from the books and concept sketches. RE-WRITE this information in a detailed outline format (several pages per lecture). Then, boil this down to one-half to one page per lecture and study from this abbreviated version, referring to the details when you have to. Also RE-DRAW your concept sketches and make sure you have as much detail as possible in them.

**Americans with Disabilities Act Statement**: Students who have special needs or disabilities that may  affect their ability to access information or material presented in the course are encouraged to contact me or the office of Disability Support Services at (509) 963-2171 for additional disability-related educational accommodations.

**Academic Honesty:** CWU holds its students to the highest standard of academic integrity and honesty. Cheating is not tolerated and will result in failure of the exam, course, or expulsion from the university. The CWU academic code of conduct is clearly defined here: http://www.cwu.edu/~saem/index.php?page=student-conduct-code