**GEOL 108.1 & 108.2: Introduction to Environmental Geology, Spring 2015**

**Adjunct Lecturer:** Ms. Keegan Fengler

**Email/phone:** keegan@geology.cwu.edu (509) 963-2706

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

**Class meets: 108.1 -** Mon, Wed, Thurs 10-10:50AM & Tues 10-11:50AM in **Black 150**

 **108.2 -** Mon, Wed, Thurs 1-1:50PM & Tues 1-2:50PM in **Lind 104**

 **(Please only attend the section that you are registered for.)**

**Required Texts:** *Environmental Geology* by Montgomery, 10th edition w/ SmartBook Connect Access Code

**Online Resources:**

* **Canvas Course** (my.cwu.edu) – here you will find all your resources except weekly reading homework
* **McGraw Hill Connect Smartbook** (<http://connect.mheducation.com/class/k-fengler-geology-108-fall-2014>) - here you will complete your weekly reading homework

*Overview of this Course*

**Course Description**: Interaction between human activity and geological processes. Scientific discussion of global environmental issues such as climate change, geologic hazards, natural resources and water use.  Formerly GEOL180. Students may not receive credit for both.

**Learning objectives:** Students should complete GEOL 108 should be able to:

* Analyze topics related to the Earth, and its environments, using scientific method (helping you to become critical thinkers!)
* Describe the role of plate tectonics in controlling Earth surface processes
* Describe changes to the Earth's surface through all of the geologic time, including recent time
* Recognize some of the ways that humans affect their natural environment (e.g. add greenhouse gases to the atmosphere, regulate rivers, use resources, and pollute air, water and soil systems)
* Describe processes and conditions that give rise to natural disasters (such volcanoes, earthquakes, tsunami, floods, and landslides) and analyze how different geologic hazards impact humans
* Consider and present different views of complex environmental issues (e.g. water shortage, waste disposal, climate change, and energy use) and describe how humans impact their environment

*Course Components*

**Assignments:** There will be 2 types of assignments, all assignment types are meant to help you learn material in different ways.

* **In-class assignments/lab activities** **are due by the day listed on the assignment.** *Late Policy: Assignments will be accepted up to 3 days late and will only be worth half the original points. Late assignments are not accepted after 3 days.*
* **Canvas assignments are due as posted**. *Late Policy: Canvas assignments will not be accepted late.*

**Weekly Reading Homework**: There will be weekly reading homework assigned on the McGraw Hill Connect Smartbook site. **Quizzes are due at 11:59PM on the FIRST DAY of each week.** You can expect to see these questions, in a different form, on the next exam. ***There will be NO make-up for reading homework.*** I will drop one reading homework score in your final grade accumulation to give an “oops” for the quarter***.***

**Midterm Exams**: There will be 2 midterm exams and will be done in pyramid style IN CLASS. Students take the 2 exams; first individually with closed notes (worth 70% of overall grade) and second in groups in open note/book/neighbor style (worth 30% of overall 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 Exams:** The final exam will be comprehensive, although the focus will be on material since the previous exam. On exam days, **bring a #2 pencil and your student ID number**. You will receive both an exam and a scantron answer sheet, both of which must be returned to me. ***There will be no make-up exams for final.***

*“Civilization exists by geological consent,*

*subject to change without notice.”* **-** [**Will Durant**](http://www.brainyquote.com/quotes/authors/w/will_durant.html)

*Grading*

|  |  |  |  |
| --- | --- | --- | --- |
| Assignments | 25% | Midterms | 30% (15% each) |
| Weekly Reading Homework | 25% | Final Exam | 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%

*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 or posted on Blackboard. 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.** Material will be presented in many forms; Powerpoint, old school style with the blackboard, movies, readings, and assignments. If you do miss a class, ask a classmate to give you notes and an explanation of those notes.
* **Take good notes**. Understand all diagrams. You are responsible for all material covered, including but not limited to lectures and power point presentations, videos and readings. If you have questions, it is your responsibility to ask during class time or during office hours. I encourage you to ask questions in class, come to my office hours, or send me SIMPLE questions via e-mail.
* **Assigned reading material should be read before lecture** - don’t get behind. You will be doing weekly reading homework that will be due on the first day of each week.
* **A suggestion for studying:** Combine the information from the lecture slides with your class notes and information from the books. 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. This class covers many unfamiliar concepts and uses a lot of terminology that will be new to you. Expect to spend 1 1/2 hours out of class for every hour in class. Writing it all down in an organized way will help you learn it.

*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. Many students come to class and end up sleeping, texting, playing on computer or talking. This is not only disrespectful to the instructor but also to the students around you. 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*

* **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>

*“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)