

Lithology 51-206
Spring 2009 Syllabus
4 credits

Instructor: Kate Kramer
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Office Hours: 11:30-12:30pm Monday, Wednesday, and Friday, or by appointment

Textbook: Raymond, Loren A., 2002, Petrology: The Study of Igneous, Sedimentary, and Metamorphic Rocks, 2nd Edition: McGraw-Hill Publishing, Boston, MA, 720 pp.

Course Policies:

Schedule: Lecture: 10:20-11:20 am Monday, Wednesday, and Friday Harrington 217
Lab: 8:00-11:20 am Tuesday (Section A01L) Harrington 216
1:50-5:10 pm Tuesday (Section A02L) Harrington 216

Attendance: Your regular attendance and note-taking will have a significant effect on your grade. It is in your best interest to attend each lecture and lab.

Exams/Assignments:

There will be four exams on the lecture materials (worth a total of 400 points). The first two exams will cover the materials associated with the igneous rock unit (one exam on plutonic rocks and plutonic processes and the other on volcanic igneous rocks and volcanic process). The third exam will cover the metamorphic rock unit (metamorphic rocks and metamorphic processes). The fourth exam will cover the sedimentary rock unit (sedimentary rocks and sedimentary processes).

There will be eleven (11) 50-point weekly rock and mineral identification quizzes (worth a total of 550 points) to start selected lab periods. The quizzes will be cumulative, so you will be responsible for a new group of rocks plus all the previous groups of rocks studied. Mineral identification (individual samples as well as within the rocks) will comprise a significant portion of each quiz.

There will also be ten laboratory assignments (worth a total of 250 points) that will be due during the course of the semester. These assignments will range from weekly lab write-ups to analysis of geochemical data to small group projects and presentations.

In addition to our regularly scheduled labs, I am in the process of scheduling a course field trip that will take place in the spring, more details will be provided at a later time.

Total Points: A summary of the total points possible in this course, based on the materials covered in the previous section of this syllabus, is provided below:

		<u>Points</u>
Lecture Exams	4 exams @ 100 points each	400
Weekly Rock/Mineral Lab quizzes	11 quizzes @ 50 points each	550
Laboratory Projects	10 projects	250
Field Trip Field Book	1 @ 50 points	50
Final Lab Exam	1 exam @ 100 points	<u>100</u>
	Total	1,350

Grades: Your grade is based on your total points earned in the course. Grades for the course will be given for achieving the following point totals:

A = 95% of total points and above	C = 75-79.9% of total points
AB = 90-94.9% of total points	CD = 70-74.9% of total points
B = 85-89.9% of total points	D = 60-69.9% of total points
BC = 80-84.9% of total points	F = less than 60% of total points

Laboratories: Lithology, by nature, is a very laboratory intensive course. CONSIDERABLE AMOUNTS OF LAB TIME WILL BE NECESSARY TO EVALUATE AND COMPREHEND THE MATERIALS PRESENTED IN THIS COURSE.

The laboratory phase of this course is essentially broken into three basic topics: a) igneous rocks; b) metamorphic rocks; and c) sedimentary rocks. A tentative schedule for the subjects that I will cover in lab is listed on the attached topical outline.

Reference collections for you to study are located in the metal cabinets in the lab marked ROCKS. A guide to the locations of the various rock samples is stored in the lab to direct you to the correct locations for the mineral samples you will need to study, PLEASE MAKE SURE TO RETURN SAMPLES TO THE CORRECT LOCATION & MAINTAIN A CLEAN AND ORGANIZED LAB.

Due Dates: All assignments are due on the dates that I have assigned as the due date. LATE ASSIGNMENTS WILL NOT BE ACCEPTED unless individual arrangements have been made with me PRIOR to the due date. Assignments turned in late will be given a "0" (no exceptions).

Academic Integrity:

The Wisconsin Administrative Code states: "Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others academic endeavors." (§ UWS 14.01) Plagiarism and other forms of academic misconduct are serious offenses with severe penalties. See the University of Wisconsin Oshkosh Student Discipline Code for definitions of academic misconduct and details about procedures, sanctions, and other relevant information. Specific questions about the provisions in the Student Discipline Code should be directed to the Dean of Students Office.