

FRESHMAN PROGRAM IN GEOLOGY CLASS OUTLINE, SYLLABUS, AND GRADING PROCEDURES

Welcome to the freshman program in geology. Here is some information that you may want to know about.

CLASS GOALS AND FORMAT: The goal of this class is to introduce you to the science of geology. You'll have a chance to learn about a different view of the earth, how it works, and how it has changed through time. Also, you'll develop your ability to collect and interpret data, and to present your ideas clearly in a variety of ways (spoken, written, graphically, etc.).

At different times during the class, we'll use lectures, formal labs, and field projects where you collect and present your own data. Much of this work will be done in the field, and we will have lectures on outcrops, in classrooms, at campgrounds, and by the sides of highways. Be prepared to be tested on all course material, no matter how or where it is delivered or learned.

As far as possible, the class is designed to develop ideas one at a time. However, sometimes we'll present material that is out of context. If things get confusing, **ask for clarification.**

Finally, the course schedule is fluid. Sometimes circumstances will require that we change plans on very short notice. When that happens, we'll do our best to keep you informed. When unexpected changes do happen, your cooperation, goodwill and sense of humor will make life better for everybody.

COURSE WORK AND GRADING: Your course work will include exams, quizzes, lab and project work, and written assignments. The breakdown for grading will follow this guideline:

Exams = 35%

Labs and field exercises = 20%

Field Projects = 35%

Quizzes and written exercises = 5%

Participation and cooperation = 5%

Exams normally will be on Saturdays, and will include essays, short answers, and laboratory problems. Labs and field exercises are either (1) short assignments that can be largely completed while in the lab or field and (2) periodic examinations of field or lab notebooks to note progress on a project, point out missing information, or make suggestions for more effective data collection. Field projects will be concentrated in the second half of the course and will require one or more days of data collection in the field as well as a written and graphic representation of those data and your interpretation (for example, a geologic map and written report). Quizzes and writing assignments are designed to get you ready for exams; think of them as "paid" study time.

EXTRA CREDIT Good pertinent questions that stump the instructor and/or TA are worth 2 lab/field exercise points. The instructor and/or TA will judge whether the question is pertinent and good.

TEXTBOOKS

- Textbook (optional)-The Changing Earth (4th edition) Monroe and Wicander ISBN 0-534-37550-2
- Lab Manual (required)- Laboratory Studies in Earth History (9th edition) Brice, Levin, Smith ISBN 9780073050720

You must purchase textbooks prior to arrival at Camp. The laboratory manual is required for the course while the textbook is optional. We require the lab manual because you will be writing in it and tearing out pages to hand in. As for the textbook, we have a small library of introductory geology textbooks that you are welcome to use at any time. However, do not remove them from the 'library'. Also, please respect these books and don't write in them or deface them. In addition to the library, we will give you several reading assignments.

INSTRUCTORS

Dr. Laurie Anderson

Dr. Chad McCabe

Mr. Craig McClarren

Mr. Jacob Grosskopf

We are here to help you learn, and will also act as your advocates. If you have concerns or problems about **anything**, talk to one of us. We might be able to help.