

CASPER COLLEGE COURSE SYLLABUS

GEOLOGY 2100 Stratigraphy and Sedimentation

Semester/Year: Fall 2015

Lecture Hours: 3

Lab Hours: 3

Credit Hours: 4

Class Time: 1-3:30

Days: TTH

Room: TM 121

Instructor's Name:

Melissa Connely

**Instructor's Contact
Information: TM 125**

**Office Phone:
268-2017**

**Email:
mconnely@caspercollege.edu**

Office Hours: MW 2-3pm, TTH 10 – 11am, F by appointment only

Course Description: A basic course in stratigraphy and sedimentation, which stresses depositional, environmental, and age relationships of sedimentary rocks.

Statement of Prerequisites: GEOL 1100 or permission of instructor

Goal: The goal of this course is to provide a basic understanding of the Earth's Landscape and the processes that shape it. It is designed for students who plan to make Geology or Earth Science their career.

Outcomes: Upon completion of this class, each student should:

- 1) Know the introductory principles of stratigraphy and the processes of sedimentation
- 2) Interpret depositional environments through sedimentary rocks and structures, and stratigraphic techniques
- 3) Demonstrate technical skills by completing field projects that incorporate sample collection, mapping, and note taking

In addition, these general education outcomes apply:

1. Demonstrate effective oral and written communication

2. Use the scientific method
3. Solve problems using critical thinking and creativity
4. Use appropriate technology and information to conduct research
5. Use quantitative analytical skills to evaluate and process numerical data

Course Objectives: See goals and outcomes

Methodology: This course will consist of readings in the required textbook, and mandatory laboratory/discussion meetings designed to cover the main facets of stratigraphy and sedimentation. Students will get an opportunity in lab to examine at first hand the materials making up the earth and to examine some of the processes, which are shaping the earth. Student evaluation will be as objectively as possible through the use of quizzes, exams, a final project and lab work. Furthermore, this is a lab based course. If you do not pass the lab, you cannot pass the course. Carefully read all assigned material, and, above all, ask questions when confused or unsure.

Evaluation Criteria: Students will be evaluated through homework, quizzes and exams, labs, and participation. Lab grade is approximately 40% of the total grade. Grade Scale: A: 100-90%; B: 80-89%; C: 70-79%; D: 60-69%; F: <60%

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Required Text, Readings, and Materials: Principles of Sedimentology and Stratigraphy, 5th ed., by Boggs (Earlier editions are ok but page numbering may vary.)

Other items you will need for lab: Field book, safety glasses, hand lens, ruler (metric and standard), colored pencils, pencils, and calculator. Always bring your field book to every lab and it is also a good idea to bring your text and notes. Other suggested items will be presented in class.

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade: November 13th. This class offers a lot of material so attendance is essential. All assigned work will be given a due date. Late work will be subject to loss of points. Exams and labs cannot be made up unless prior arrangements are made. A comprehensive final may be offered in lieu of missing exams.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.