

# CASPER COLLEGE COURSE SYLLABUS

## GEOL 1021, 01 – Geology of Wyoming Field Trips

**Semester/Year:** Fall 2015

**Lecture Hours:** 0

**Lab Hours:** 2

**Credit Hours:** 1

**Class Time:** Weekends    **Days:** TBA    **Room:** Tate Museum

**Instructor's name:** Dr. Kent A. Sundell

### **Instructor's**

#### **Contact**

**Office:** Tate Museum Room 103

#### **Information:**

Sundell

**Office Phone:** 268-2498 (O) or  
473-2299 (H)  
Please call prior to 10:00 p.m.

Sundell

**Email:**  
ksundell@caspercollege.edu.

Sundell

**Office Hours:** MWF 8-9am MW  
12-1pm

**COURSE DESCRIPTION:** This trip will visit Yellowstone and Grand Teton National Parks on Sept. 11-13<sup>th</sup>.

Geology of Wyoming is a general interest course designed to educate students and the general public on a variety of subjects that address current topical interests about the general geology of Wyoming. This semester the focus will be Natural Disasters. The field trips will visit a variety of outcrops in Yellowstone and Grand Teton National Parks and northwest Wyoming that depict landslides, catastrophic flooding, volcanoes, fires, and earthquakes. All trips will emphasize first hand observation of the unique geologic conditions and features associated with natural disasters.

### **PREREQUISITES:**

None, but some previous or simultaneous geology instruction is preferred. Take GEOL 1020, Geology of Wyoming simultaneously if possible.

### **OUTCOMES:**

Observe features discussed in GEOL 1020 in the field. Hands on supplemental learning from classic geological sites throughout the state of Wyoming. To observe Wyoming geology from a very different perspective (small scale hand specimens to entire mountain ranges). This course is designed to give students and the general public, a hands-on in the field approach to learning about complex and scenic geologic features. The students will be able to ask questions, take notes, photograph, collect samples, and directly observe field relationships concerning a multitude of geologic processes and features observed along the way.

### **METHODOLOGY:**

This course will consist of a weekend field trip including lectures, demonstrations, discussions and hands on experience designed to teach students directly about the geological and meteorological conditions contributing to various natural disasters. This course will teach students about Wyoming's geology, commonly observed while traveling along the scenic highways of the state. Several short hikes (<1 mile) may be taken away from the road

along the field trip route. Students are expected to make every effort to participate fully in the field trip, carefully read all assigned material and, above all, ask questions.

**Evaluation Criteria:**

Student will be evaluated by attendance and participation in the day to day experience throughout the fieldtrip. Therefore, students will be expected to attend the 3 day field trip and enter into numerous discussions about observed geologic features. Students will be evaluated by their participation in the day to day discussions about observed geologic processes and features during the fieldtrip. A field note book is required. Students should maintain clear accurate records of all field trips they attend. An exit exam may be given near the end of the class, giving each participant an opportunity to reveal how much they learned about the geology of the areas visited.

**Field Trips:**

You must be prepared for possible changing cold, hot, or wet inclement weather conditions on every field excursion. Good hiking shoes, coats, gloves and hats will be essential. Backpacks, water bottles, and snacks are recommended. Each student will need to bring their own drinks, lunches and snack food.

**Optional Text, Readings, and Materials: Natural Hazards and Disasters by Hyndman & Hyndman**

Read chapters 3,4,6,7,8,12, & 16. Handouts. A Field Notebook (No size preference – durable) is required.

**Class Policies:** Last Date to Change to Audit Status or to Withdraw with a W Grade:

No drop slips will be signed after the official deadline!

**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.

**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.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the school 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.

**ADA Accommodations Policy:** It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience