

Syllabus

Fall 2021

GEOL 210 Introduction to Geologic Field Methods

http://www.geology.cwu.edu/facstaff/egger/courses/GEOL_210.html

Course description: This course is intended for students who are considering or planning on majoring in the Geological Sciences and related fields. You will have the opportunity to apply your knowledge from introductory geology courses and learn standard geologic field techniques, data analysis, and digital mapping.

Instructors

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Overview and course goals

The discipline of geology is grounded in observations of the Earth. Geologists make observations of the Earth at all scales, from a satellite image to an outcrop to a hand sample to a microscopic image; they place these observations within geographic, spatial, and temporal frameworks in order to draw conclusions about processes that have occurred within the complex Earth system. The skills involved in making these types of observations and using them as evidence are critical for students of geology to learn, but are also important for anyone who will be teaching Earth science or working with geoscientists in the future.

The **primary goal** of this course is to provide you with the opportunity to learn and apply these skills that are fundamental to the discipline. By the end of this course, you will be able to:

- Collect and record data using common geologic field methods and tools;
- Synthesize geologic data you've collected in the field by producing geologic maps and cross-sections;
- Develop a reasonable geologic history based on multiple lines of evidence.

Our **additional goals** are to:

- Expose you to a spectacular environment, where several different geologic processes are present and well-exposed;
- Build a community of undergraduates who are interested in and excited about geology.

In order to achieve all of these goals, we will travel to various locations around Washington. This is a slightly different format than what we are used to, of course, but we can still achieve our course goals.

Logistics

Course fee

In addition to tuition, this field course requires that each student pay **\$300** for a drafting kit, field notebook, hand lens, course packet, travel and camping expenses. This charge will appear on your Fall term bill.

Registration

This is a “by instructor permission” course, so you need to email Bre MacInnes (breanyn.macinnes@cwu.edu) with your ID number to get permission to register.

Course materials

There is no textbook for this course; all course materials are provided as part of the course fee.

Schedule and meeting location

The schedule in the fall of 2021 is significantly different than in past years, and hopefully different from future years.

Class Field Days:

Tuesday-Friday, Sept. 7-17 8:00 am–5:00 pm leave/return from CWU
⇒ Wednesday-Friday, Sept. 8-10 Camping at Sun Lakes State Park, *nights of 8th & 9th*

Weekend Break:

Saturday-Sunday, Sept. 18-19

Class GIS Days:

Monday-Tuesday, Sept. 20-21 9:00 am–4:00 pm Discovery 105

There will be no additional final exam: you will be done with the course by September 21.

We will meet in two classrooms in Discovery Hall: Room 207 and Room 105 (the computer lab). You will need to get key card access to the building and Room 105 if you do not already have it. We will work with our department secretary, Moriah Kauer, to get everyone key card access to the building and labs.

COVID-19

We will have the most updated COVID-19 policy prior to class. As things are still changing and policies still being formulated for the 2021-22 academic year, we want to operate with the most current information and therefore will wait until August to share our class policies regarding COVID-19.

Assessment

Grading is based on the assignments and point values below, and will follow a grading scale (90-100% → A- to A; 80-89% → B- to B+; 70-79% → C- to C+; 60-69% → D- to D+; <60% → F).

Disability Support

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any obstacles to learning, contact Disability Services to discuss a range of available options. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.

Academic Honesty

Academic integrity is expected from all students. Do not submit joint work for credit on individual assignments. Any assignments of a questionable nature will receive no credit. Additional steps may be taken, including reporting of violations to higher authorities. Further information is provided under CWUR 2-90-040(22): <http://www.cwu.edu/resources-reports/cwur-2-90-040-academic-and-general-regulations#Grade%20Appeals> Details on prohibited student conduct is provided at: <http://apps.leg.wa.gov/WAC/default.aspx?cite=106-125-020>

Mental Health Resources

Stress and other life circumstances that may be out of your control can make learning and focusing difficult. If you find stress or other mental health concerns make academics difficult, Central has resources to support you. We encourage you to reach out as soon as you notice you're struggling.

- Student Counseling Services – crisis appointments available – 509-963-1391
www.cwu.edu/medical-counseling/counseling-clinic
- Mental health crisis support outside of normal business hours – 1-800-273-8255; Text HOME to 741741
- Wellness Center – confidential sexual assault and other victim advocacy – 509-963-3213
www.cwu.edu/wecare, www.cwu.edu/path
- Disability Services – registration for accommodation – 509-963-2214 –
www.cwu.edu/disability-services

Commitment to Diversity

CWU expects every member of the university community to contribute to an inclusive and respectful culture for all in its classrooms, work environments, and at campus events.

Religious Obligations

University Policy, CWUP 5-90-040(37), provides for reasonable accommodation of student absences for religious holidays in accordance with RCW 28B.137.010. Students seeking reasonable accommodations under this policy must provide written notice to their instructors within the first two weeks of class specifying the dates for which religious accommodations are requested. Contact the Dean of Student Success at (509) 963-1515 for further information.

Sexual Misconduct

Central Washington University is committed to providing all community members with a learning and work environment that is free from sexual harassment and assault. Students have options for getting help if they have experienced sexual assault, relationship violence, and sexual harassment, or stalking. Information can be found at <http://www.cwu.edu/wecare> and in CWUP 2-35-050: Sexual Harassment. Faculty are required to report information regarding sexual misconduct or related crimes. Students may speak to someone confidentially by contacting the CWU Wellness Center, 509-963-3213, or the CWU Student Counseling Clinic, 509-963-1391.