



Department of Geological Sciences
UNIVERSITY OF COLORADO **BOULDER**



Good Luck on Final Exams!

Congratulations, you made it! The last day of classes will be today, December 12th, followed by reading day on Friday the 13th. Final grades will be posted on December 24th.

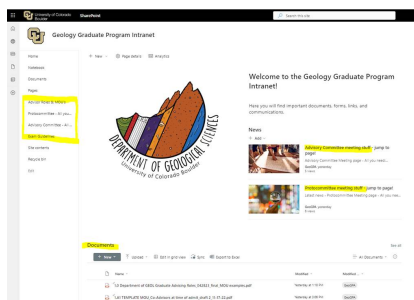
Keep up the great work, and good luck!

Important Notices

Front Office Closure

The Geological Sciences Office will be closed from December 23rd through January 3rd, though some staff members may be available remotely December 23rd-24th and January 2nd-3rd. Campus will be closed from December 25th to January 1st.

Have a wonderful restful break, and happy holidays!



GEOL Proto & Advisory Committee Meetings

Recommended to be complete in Fall semester (if possible). Reminder to submit Committee Meeting paperwork to the Google e-inbox within 1-2 weeks of Committee Meeting. Questions? See Committee Meeting Guidelines (and lines 145-149) in SharePoint.

**Visit the SharePoint
Website**

Last Newsletter of the Year!

The GEOL Graduate Newsletter will pause over the holidays, the next edition will be sent out in the new year on January 16th, 2025! Make sure to



check it out when you get back into the swing of things! Feel free to look back at previous editions through the link below.

[View Previous Editions](#)

Current Happenings



Information Session for Chinese Language Fellowship

You're invited! Students, feel free to come to an upcoming virtual information session about the Chinese Language Fellowship Program (CLFP). **On December 12, 2024**, program staff will host a comprehensive overview session for students interested in intensive Chinese language study opportunities, including a chance to meet and discuss the program with alumni. This session will detail our fellowship awards of up to **\$50,000** for the 2025-26 academic year and provide students a chance to ask questions directly to program staff. View more details for this opportunity in the "Funding" section of this week's repository!

[Learn More](#)



IIASA Young Scientists Summer Program

The International Institute for Applied Systems Analysis (IIASA) hosts a three-month long Young Scientist Summer Program (YSSP). The program is designed for advanced PhD students -ideally about two years prior to completing their PhD – working on a topic that is compatible with ongoing research at IIASA and who wish to explore the policy implications of their work. Applications due January 13th. Learn more below!

[Visit Program Website](#)

GEOL Electives and Field Classes



GEOTHERMAL
ENERGY



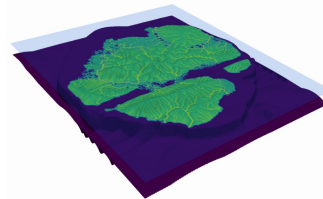
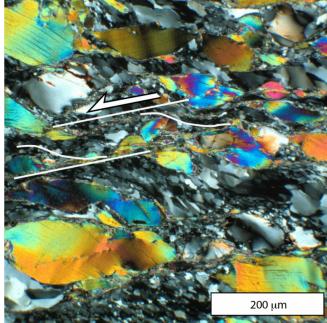
PETROLEUM
ENERGY



CARBON
CAPTURE



HYDROGEN
ENERGY



GEOL 5775: Introduction to Numerical Modeling

New course offering on introduction to numerical modeling, GEOL 5775. The course will be very hands-on, with ~weekly programming assignments. The course will be taught using Python, and will cover the finite-difference and finite-volume methods, how to structure a model code, and how to visualize output

**Professor Bob Anderson
and Professor
Gregory Tucker**
Questions?
Email: gtucker@colorado.edu
Time TBD.

[Email Greg!](#)

GEOL 3450-5700: Petroleum and Transitional Reservoir Geology

This class examines the geology of fluid reservoir systems in sedimentary strata for hydrocarbon, CCUS (carbon capture, utilization, and storage), geothermal, helium, geologic hydrogen, and other resources.

(3 credits)
Dr. Maxwell Pommer
Questions? Email:
maxwell.pommer@gmail.com
Fridays from 1-4pm

[View Class Flyer!](#)

GEOL 4120- 5120: Advanced Structural Geology and Tectonics

This course will cover some advanced topics in structural geology and tectonics. It will provide exposure to theory and applications related to deformation (rheology) of solid Earth materials.

He processes that will be covered span a wide range of depths depending on the materials, from the flow of ice and salt near Earth's surface to cataclastic mechanisms in fault rocks to plastic flow of deep crust and mantle rock.

(3 credits)
Instructor: **Kevin Mahan**
Questions? Email Kevin
through the link below

[Email Kevin!](#)

[Register for Classes on your Buff
Portal](#)

Funding Opportunities

Scholarships and Stipends

Graduate School Travel Grants

The Graduate School offers partial funding for CU Boulder graduate students traveling outside the state of Colorado to present their own research or work at a conference, meeting, or similar event. These travel grants provide up to \$450 to students traveling within the United States, up to \$600 to students traveling to

Canada, or Mexico, and up to \$700 to students traveling outside the United States, Canada, or Mexico. Check out the link below to learn more and apply! **Applications open December 12th at 12:00 am and close December 15th at 11:50 pm MST.**

[Learn More and Apply](#)



Vaughn-Tardif Graduate Student Fellowship

This fellowship will consist of full support for one academic semester (either Fall 2025 or Spring 2026) and includes a monthly stipend equal to that of the current 50% GPTI salary, tuition coverage of up to five dissertation hours, mandatory fees, and coverage under the student gold health insurance plan.

Applications are due at 11:59 pm MST on December 20th!

[Apply Here](#)

Scholarship and Fellowship Database at Pathways to Science

Check out the scholarship/fellowship database at PathwaysToScience.org. At the moment, there are over 65 portable scholarships and fellowships posted on the site, all within STEM! Click the link below for more and apply!



[Learn More and Apply](#)

Jobs and Internships

December Job Repository

Below is the link to the December Job Repository. The October and November Repository will continue to be available. Some highlighted opportunities this week include:

- University of Alaska Fairbanks Structural Geology Position
- PhD or post-doc position at TU Darmstadt (Germany)
- Faculty Position in Crustal Dynamics, University of Wyoming



[December Repository](#)
[November 2024 Repository](#)

Graduate Research Funding

Dolores Zohrab Liebmann Fund

The Dolores Zohrab Liebmann Fellowships are to be awarded only to candidates who have outstanding undergraduate records, have demonstrated a need for financial assistance, are citizens of the United States of America, are enrolled in accredited colleges and universities in the United States and have received baccalaureate degrees. The amount of each Fellowship will cover actual tuition costs (no fees) plus an \$18,000 annual stipend to be allocated towards room, board, and ordinary living expenses, as well as any income taxes. **Deadline to apply is January 13th, 2025 at 11:59 pm MST.**



[Learn More and Apply](#)



2025-26 T. Keith Marks Scholarship

Colorado residents! There is one additional Geological Sciences scholarship which requires you answer an additional question to be considered for the award. Go to your “recommended opportunities” page after completing the general application or search for “T. Keith Marks.” Be prepared to answer the following application question: **Elaborate on your field of study and how it is applicable to the petroleum industry.** Learn more and apply below!

[Apply Here](#)

BAM Scholarship Portal

In need of money? Scholarship applications for the 2025-26 Academic Year are open and in your Buff Portal. Completing the general application will apply you to almost all scholarships in Geological Sciences as well as hundreds of other scholarships in A&S and across campus. It is well worth a few minutes of your time.

You are strongly encouraged to respond to the optional essay question about your research interests – this helps the awards committee match you with funding opportunities related to your research area! Apply below!



[Step-by-step Application Instructions](#)

External Opportunities Outside CU Boulder

Free Things to do in December and over Break!

Wrap up 2024 with free events! This month brings Late Night Breakfast, de-stressing for finals, holiday fun and more! Visit the link below to learn more about free activities going on for the rest of December! Take some time for yourself and enjoy break!



**Free Things to do in
December!**

**Things to do over
Break!**



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