



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



The last day of classes will be Thursday, December 12th, followed by reading day on Friday the 13th. Final grades will be posted on December 24th.

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.

Keep up the great work, and good luck!

## Important Upcoming Deadlines

### Flexible summer teaching opportunities with CU Science Discovery

If you're looking for something fun to do this summer that will be worthwhile and compensate you for your time, consider teaching a week or two of summer science enrichment with CU Science Discovery. See more below! And feel free to share with qualified friends on and off-campus as well. Apply below!



**Apply and Learn  
More**

## Colloquium and Happenings



### No Colloquium Next Week

There will be no colloquium on Wednesday, December 11th as the AGU meeting will be taking place. The colloquium series will resume in the new year.

## AGU Bridge Student Application Open!

AGU created its Bridge Program in 2019 to increase representation of historically marginalized students in graduate geoscience education by working with departments to adopt equitable education practices and through direct support of individuals entering graduate school via the AGU Bridge Program. The Bridge Program assists institutions in committing to active action against exclusion in the geosciences and supporting students in their programs while also facilitating student entry into graduate school using a single, free application available for review by all partner departments. Tell your friends that applications are due December 15th. Learn more!

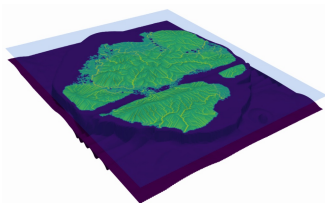
**Learn More**

## 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!

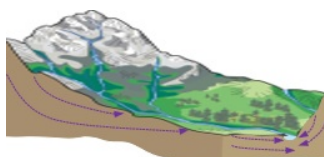
**Visit the Website**

## GEOL Electives and Field Classes



### 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



### Geol 5721 Classics and Frontiers in Hydrology

This graduate seminar will go from historical perspectives to cutting edge stuff in hydrological sciences. Graduate students who are interested in water related topics are all welcome. One part of this course will study classic papers in hydrology another part of this course will turn attention to latest research fronts.



### GEOL 5700-039: The Cryosphere

Introduces key elements of Earth's cryosphere. After an introduction to water and to Quaternary climate, we will explore different components of the cryosphere. These can include permafrost and

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](mailto:gtucker@colorado.edu)  
Time TBD.

(2 credits)  
**Professor Shemin Ge**  
Questions?  
Email: [ges@colorado.edu](mailto:ges@colorado.edu)  
Time TBD

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related periglacial processes, rock glaciers, sea ice, arctic soils, glaciers and ice sheets; to some extent we can tailor topics to student interests.

(2 credits)  
**Professor Suzanne Anderson**  
Questions?  
Email: [suzanne.anderson@colorado.edu](mailto:suzanne.anderson@colorado.edu)  
Tuesday 2:00-4:50pm

[Email Professor  
Tucker](#)

[View the  
Flyer](#)

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

## Funding Opportunities

### Scholarships and Stipends

#### Scholarship and Fellowship Database at Pathways to Science

Check out the scholarship/fellowship database at [PathwaysToScience.org](http://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](#)



#### Figueroa Family Fellowship

This \$1,500 scholarship is available to a student working in the sciences or engineering. The applicant should demonstrate a commitment to the achievement of a diverse student body. More information and **how to apply** can be found below!

Deadline to apply: **December 9, 2024**

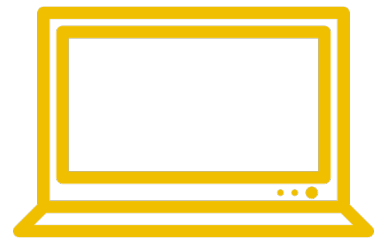
[More Information Here](#)  
[Apply Here](#)

## Jobs and Internships

**\*December Repository 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:

- Tenure-Track Assistant Professor in Economic Geology
- post-doc position at TU Darmstadt
- Faculty Position in Crustal Dynamics, University of Wyoming



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

## Graduate Research Funding

### 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



#### 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](#)

### Vaughn-Tardif Graduate Student Fellowship

The Vaughn-Tardif Graduate Student Fellowship is intended to sponsor research on issues within the local community which lend themselves to

simple interventions. The fund will be used to provide funding for graduate students who are focusing their research projects to address local community (Colorado's Front Range) problems and who plan to study local circumstances, information and data, and test simple interventions that may ameliorate the issue. While all projects in line with these goals are welcome, the donors of this fellowship are particularly interested in LGBTQ+ issues. Learn more and apply below, deadline is December 20th at 11:59 pm MTN.



[Learn More and Apply](#)

## Department News and Features



### Manuel M. Mendoza Award Win!

Former Geological Sciences postdoc Manuel M. Mendoza was awarded the Outstanding Early Career Scientist Award at the CO-LABS Governor's Awards ceremony! Mendoza was recognized for his astounding impact on research in the geoscience field. Click the link below to read the full article.

[Learn More!](#)



### Dan Celebrates 25 Years with GEOL!

This week, Benson's Dan Mitchell celebrated 25 years with GEOL! Dan is our IT Specialist and Building Proctor. Thank you for your dedication and service, Dan!

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