FALL 2021
GEOLOGY & ENVIRONMENTAL GEOSCIENCES
STUDENT MEETING

October 11, 2021
Fall 2021 Main Office Staff
Contact Info & Office Hours

Department Chair
callahant@cofc.edu
Monday, Tuesday, Thursday:
11:00 am - 2:00 pm

Student Assistant
jamesjt@g.cofc.edu
Monday: 12:00 pm - 5:00 pm
Tuesday: 9:00 am - 10:30 am
Thursday: 12:30 pm - 5:00 pm
Friday: 2:00 pm - 5:00 pm

Office Manager
whitekl@cofc.edu
Monday, Wednesday, Thursday:
10:00 am - 6:00 pm

Department News and Updates are frequently posted on Instagram and Twitter.
Follow the handles below to stay in the know:

Dr. Timothy Callahan

Jordan James

Kristen White

Office Manager
whitekl@cofc.edu
Monday, Wednesday, Thursday:
10:00 am - 6:00 pm
1. Spring 2022 registration opens Nov. 1 based on credit hours. All GEOL and GENV majors have advising holds. Students should contact their advisor to set an advising appointment.

2. Students planning to take Field Studies in Summer 2022, please complete the Google form sent to their CofC email.

3. There is still time to register for Intro to Seafloor Mapping-Express II! Class will start Friday, October 22 (after Fall Break), but the deadline to register is Friday, October 15th.

4. Tuesday, November 9, 4-6 pm: SSMB Research "Mixer"
   a. Opportunity for students and faculty to connect to discuss research opportunities.
The Geology Club is a student-led organization aimed at providing a community for geology majors, minors, and other students interested in geology.

**Next meeting:**
Wednesday, October 13th at 5:30pm in SSMB 211

Email Jordan James (jamesjt@g.cofc.edu) to join the GroupMe for club updates.

Events this semester:
- Rock painting
- Paddleboarding
- Shark tooth / fossil hunting
- Club holiday mixer
SIGMA GAMMA EPSILON

Mission:
- Scholarship & professional networking in the Earth Sciences
- Emphasis on professional growth & social & educational advancement

Membership Requirements:
- 10+ credits in GEOL courses
- 3.00 GPA in GEOL courses
- 2.67 overall GPA
- $25 initiation fee
- $55 lifetime membership fee
PROGRAMS OF STUDY

MAJORS
GEOL: B.S. or B.A. Geology
GENV: B.S. Environmental Geosciences

MINORS
GEOL: Geology
GEOI: Geoinformatics
SPRING 2022 COURSES

- GEOL 103: Environmental Geology
- GEOL 105: Earth History
- GEOL 107: Intro to Coastal & Marine Geology
- GEOL 206: Planetary Geology
- GEOL 239: Intro to Seafloor Mapping
- GEOL 250: Intro to Geochemistry
- GEOL 260: NASA Space Mission Design
- GEOL 272: Stratigraphy & Sedimentation
- GEOL 291: Water Resources
- GEOL 333: Paleobiology
- GEOL 339: Seafloor Research
- GEOL 395: Applied Paleontology
- GEOL 395: Plate Tectonics
- GEOL 402: Geospatial Science
- GEOL 438: Hydrogeology
- GEOL 442: Geological Application of Remote Sensing
- GEOL 460: NASA Space Mission Leadership
- GEOL 469: Advanced GIS - Environmental and Hazard Model
Structural Geology

Plate Tectonics: It’s What’s In Charge!
- discussion on driving forces of plate tectonics and how they affect the rest of the world

Senior Seminar
- Looking for students interested in using fracture patterns in the SE to map changes in stress through time & digitizing an igneous dike map of SC

Water Resources
- examines surface & groundwater availability, flow, quality, and sustainability with lab field trips
- Research on microplastics and tire wear particle pollution in urban stormwater systems. Gain skills in field sampling, microscopy, particle & chemical analysis, & science communication
- Contact if interested in professional societies - American Water Works Association, Water Environment Association of SC, or Society of Environmental Toxicology & Chemistry

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Dr. Timothy Callahan

Dr. Barbara Beckingham

Dr. Adem Ali

Dr. Erin Beutel

Department Chair
- Earth Systems Science
- Hydrology

Water Resources
- Engineering Geology

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Department Chair

Earth Systems Science

Hydrology
ROSTER FACULTY

- Mineralogy & Petrology
- High-temperature Geochemistry
- Volcanoes
- Remote Sensing
- Field Studies: Western US

Dr. John Chadwick

- Stratigraphy & Sedimentation
- Global Change

Dr. Mitchell Colgan

- Coastal & Marine Geology
- Field Methods

Dr. Scott Harris

- Introductory Lab Coordinator
- Environmental Geology
- Earth History

Robin Humphreys
**ROSTER FACULTY**

**Dr. Steven Jaumé**
- Geophysics
- Natural Hazards
- Running a 19 station seismic network in Summerville & recorded dozens of earthquakes including M 3.3 felt by many people
- Looking for research students who want to learn how to play with seismic data!

**Dr. Scott Persons**
- Paleobiology
- The Age of Dinosaurs
- Virtual Expedition in Paleontology
- Field Studies: Western US Paleontology
- Curator: Mace Brown Museum of Natural History
- Currently away at GSA Annual Conference presenting on a new species of plesiosaur

**Dr. Norm Levine**
- GIS
- Geospatial Science
- Environmental Pollution

**Dr. Cass Runyon**
- Planetary Geology
- NASA Space Mission Design
- Geomorphology
ROSTER FACULTY & STAFF

Dr. Leslie Sautter
- Intro to Seafloor Mapping
- Seafloor Research
- Marine Geology

Dr. Teddy Them
- Marine Geology
- Paleoclimate
- Field Methods

Dr. Vijay Vulava
- Geochemistry
- Earth Systems Science
- Environmental Geochemistry
- Field Studies: India

Sarah Boessenecker
- Museum Collections, Exhibits, and Outreach Coordinator
- Docent Coordinator: Mace Brown Museum
FALL 2021 ADJUNCT FACULTY & GRADUATE TEACHING ASSISTANTS

Caitlyn Bierce
Dr. Robert Bossenecker
Dr. James Carew
Claire Chadwick
Anton Dumars
Cyndi Hall
Landon Knapp
Michael Jordan
Lauren Maurizio
Hana Mintz
Brad Thompson
Sofia Troya
Trivia

Swag prizes for 1st, 2nd, and 3rd place
1. Who is the Geology Club President?
Answer: Jordan James
2. How many roster faculty members are in the department?

*Bonus: How many go by their middle names?
Answer: 15
*Bonus Answer: 4
3. What is SGE?
Answer: Sigma Gamma Epsilon
4. What is the name of the large flying specimen hanging in the SSMB atrium?
Answer: Pteranodon
5. During which decade was the department founded?
Answer: the 1970s
6. What are the names of the two department dinosaurs (our mascots)?
Answer: Tri-Sarah-Tops and Roxy Rex
7. What is the unique gift given to seniors during the Senior Roast?
Answer: an "Aloha" or hula shirt
8. What is the room number of the student study room?

*Bonus: How can you get access to the student study room?
Answer: SSMB 227

*Bonus Answer: emailing Kristen or Jordan to request access
9. What is special about SSMB's architecture as it relates to natural hazards (specifically earthquakes)?
Answer: SSMB has special cross-beam supports to help stabilize the building if there were to be another earthquake in Charleston.
10. How many majors and minors does the department offer?

*Bonus: What is the name of the new major?
Answer: 3 majors and 2 minors
(will accept 2 majors and 2 minors)

*Bonus Answer:
GENV - Environmental Geosciences