IMPORTANT DATES

- December 14: Last day of final exams
- January 6-10: Students return by appointment to residence halls
- December 16-17, January 7-8: Registration closed for New Student Orientation
- January 11: First day of Spring semester
- January 18: MLK day, no classes

SPRING 2021 COURSES

The start of Spring 2021 is closer than you think! The time to register is NOW. Check out all of our Spring 2021 course flyers here. Registration will be unavailable on December 16 and 17, 2020, and January 7 and 8, 2021, during New Student Orientation sessions.

KUDOS

- Dr. Scott Persons and colleagues recently published a paper on dinosaur tracks in China, titled "A diversified tetrapod ichnite fauna from the Lower Cretaceous Hekou Group of Gansu Province, China."
- Kudos to Dr. Bobby Boessenecker and recent alumna Bailey Fallon their new paper on leatherback turtle fossils! Read all about it here.

CHECK IT OUT

- Did you know the Department of Geology and Environmental Geosciences has its own YouTube page? The Mace Brown Museum of Natural History does as well! More content will be added to both pages soon so check back frequently!
- Developed from the celebrated film Switch On, comes a new series on energy development that shows what is happening now in the developing world. Topics include modern cooking fuels, urban grid expansion, hydropower, solar microgrids, and others. The 7-episode series is called Switch On: The Series and can be streamed now on SwitchOn.org and YouTube.

JOB OPPORTUNITIES

Senior GIS Technician - Berkeley County

The position provides GIS support in the daily maintenance and presentation of geographic data; also assists with questions and concerns related to mapping. A background in GIS with GPS knowledge and Remote Sensing is a plus. Being familiar with Python, JavaScript, and SQL will also be very beneficial.
- Must have knowledge or experience with ArcGIS, CAD files, Python, and Visual Basic and ArcGIS Geodatabase maintenance.
- Applicants are welcome to use Mikhayla Beste (mikhayla.best@berkeleystate.gov), the current Geographic Information Systems: Senior GIS Technician and 2016 Geology alum as a reference.
- Full time position to be filled immediately
- Learn more and apply on their website
**Geologist/Hydrogeologist - Department of Environmental Quality (NC)**
- Full-time position in Winston-Salem, NC
- Provide public health expertise to non-community public water supply systems and their owners/operators. Implement and enforce government requirements and regulations
- Learn more here.
- Application deadline: December 15, 2020

**GeoCorps America**
- Paid short-term geoscience opportunities in some of the most beautiful natural areas in the world
- Topic areas include geology, hydrology, paleontology, mapping and GIS, minerals, soils, glaciology, geohazards, and more
- Learn more here.
- Application deadline: February 3, 2020

**INTERNSHIP OPPORTUNITIES**

**NASA Goddard Applied Sciences Lab**
Science Systems and Applications Inc (SSAI) is looking for an intern to work remotely for the NASA Applied Sciences Lab in Spring Of 2021.
- 10 weeks, beginning in late-March or early-April 2021
- 100% virtual internship
- Learn more and apply here.

**2021 MSU Extension Undergraduate Apprenticeship Program**
- 10 week internship program in Summer 2021 to participate in integrated research and outreach learning
- $4,000 stipend and travel allowances
- Application deadline: February 14th
- Position 1: Coastal Conservation and Restoration, with PI Eric Sparks, located in Biloxi, MS at the MSU Coastal Research and Extension Center
- Position 2: Helping Communities Plan for Sea Level Rise, with PI Renee Collini, located in Biloxi, MS at the MSU Coastal Research and Extension Center
- Position 3: Visualizing the Story of Wildlife in our Cities, with PI Adam Rohnke, located in Raymond, MS at the MSU Central Research and Extension Center

**US Army Corps of Engineers: Unpaid Student Intern**
- The USACE Charleston, SC intern will get a broad overview of different departments within USACE
- 8 hours/week
- Application deadline: rolling recruitment; deadline is July 1, 2021
- Learn more on their website
William M. Lapenta NOAA Student Internship Program

- Paid summer internships targeted towards current 2nd and 3rd year undergraduates and enrolled graduate students
- Projects may be focused on research areas or development of operational products to meet NOAA’s ever-broadening user community and address strategic weather-water-climate issues.
- Learn more here.

NASA Student Airborne Research Program (SARP 2021)

- Rising seniors are invited to apply for the program, which places students in multi-disciplinary teams to study surface, atmospheric, and oceanographic processes.
- Fly onboard a NASA research aircraft, assist in the operation of instruments, and take measurements at field sites.
- Participants will also complete an individual research project during the program.
- Application deadline: January 27, 2021
- Learn more here.

Lithium Americas - 2021 Spring Exploration Intern

- The intern will carry out exploration work in Spring 2021 (approximately from February - April 2021) to characterize the geology of potential sedimentary resources in the United States.
- Monthly stipend: $3,000 and relocation expenses
- Application deadline: December 11, 2020
- Learn more here and apply on their website

Science Undergraduate Laboratory Internships (SULI) - U.S. Department of Energy

- Applications for the 2021 Summer Term are due January 12, 2021
- Gain hands-on research experience, build your professional network, collaborate on an exciting project under the guidance of a mentor, present your research to mentors and peers, participate in social activities, engage in professional development activities.
- $600/week stipend, housing accommodations or housing allowance, round-trip travel reimbursement
- Learn more and apply on their website.

GRADUATE SCHOOL OPPORTUNITIES

University of Texas at El Paso - PhD and MS Students

- TU El Paso is seeking two PhD students and two MS students to join an NSF funded "Signals in Soils" project to characterize biotic and abiotic CO2 fluxes from irrigated dryland agricultural systems in the Rio Grande Valley.
- Students can join the Departments of Geological Sciences or Biological Sciences or the PhD program of Environmental Science and Engineering.
- Learn more here.
**Western Washington University - MS in Aquatic Biogeochemistry and Remote Sensing of the Cryosphere**

- The Department of Environmental Sciences has two MS positions available for Fall 2021. Benefits include a 12 month academic year stipend, full tuition payment, and health coverage.
- Successful candidates will examine biogeochemistry of snow, ice, and melt water of the cryosphere of the Pacific Northwest and/or Arctic Sea Ice. These positions will come with two academic years of support as a teaching and/or research assistant.
- Applicants must be able to conduct fieldwork and have analytical laboratory experience. Preferred qualifications include teaching/mentoring experience, field work experience in mountain or polar environments, experience with ArcGIS, Python and/or Matlab.
- **Apply** to the department by February 1st, 2021. For these positions, send a CV and statement of interest to alia.khan@wwu.edu.

**CU Boulder - Organic Geochemistry Group PhD Opportunities**

- The Organic Geochemistry Group in the Department of Geological Sciences and the Institute of Arctic and Alpine Research (INSTAAR) is seeking PhD students interested in paleoceanography and ocean biogeochemistry.
- **Evaluating Climate Change and Kill Mechanisms Associated with the End-Cretaceous Mass Extinction: A Model-Data Comparison Approach** - This project tests hypotheses about the relationship between dramatic climate change, marine ecology, and carbon cycling across the Cretaceous/Paleogene mass extinction event.
- **Microbial Lipidomics in Changing Oceans** - This project tests hypotheses about lipid remodeling in marine microbes as a physiological adaptation to multiple environmental stressors using observational and experimental approaches.
- Interested students should contact Dr. Julio Sepulveda (jsepulveda@colorado.edu), including a brief interest statement and a CV/resume as a single PDF file.
- Application deadline: December 15, 2020
- CoC Geology alum Garrett Boudinot worked in the Sepulveda lab and is happy to answer questions about the positions, lab, department, university, etc. Contact him at Garrett.Boudinot@colorado.edu.

**JOB BOARD**
Check out our [Job Board](#) for opportunities seen in previous newsletters and for new opportunities! (The site is updated as new opportunities become available.)

**GEOLOGY OFFICE HOURS**
Staff are available for in-person assistance during the following hours.

**Kristen White, Office Manager**
- Monday, Wednesday, Friday from 10:00 am - 6:00 pm

Dr. Tim Callahan, Department Chair, and Ms. Kristen White continue to be available virtually in addition to the in-person assistance hours. To request an appointment with Dr. Callahan, please email callahant@cofc.edu and whitekl@cofc.edu.