

## GEOL 3500, Hydrogeology and the Environment

**Instructor:** Dr. Michael O'Driscoll    **Classroom:** 107 Graham    **Meeting Times:** M&W 3-4:15  
**Contact Information:** [odriscollm@ecu.edu](mailto:odriscollm@ecu.edu); 252-737-5939

If you are interested in water resources and would like an opportunity to get some field research experience, consider this Spring 2021 course that focuses on environmental water resources issues. GEOL 3500 will provide a basic scientific background for understanding water movement, occurrence, and behavior at the earth's surface and in the subsurface, with an emphasis on groundwater, water quality, and the effects of human development on the hydrologic cycle. A major focus of the course is the hands-on research component that will evaluate how land-use changes can affect streams and groundwater. Students will have the opportunity to measure streamflow and evaluate water quality in the Town Creek watershed, use cutting-edge hydrological instruments, learn about sources of contamination and remediation strategies, and analyze and interpret hydrological and water quality data.

