



# 2022 Summer Field Experience

## Course EGRT 374/574: Environmental Field Sampling & Analysis (3 credits)

The UW Oshkosh Department of Engineering Technology is pleased to offer a new field and lab experience for students interested in environmental sampling and analysis. The course should be broadly appealing to majors such as Biology, Chemistry, Environmental Studies/Science, Environmental Health, Engineering, Geology and Geography.

The course will take advantage of the Environmental Research and Innovation Center (ERIC) at UW Oshkosh as well as the UW Oshkosh remote laboratory at Crossroads at Big Creek in Door County, Wis. The class will explore theoretical and hands-on aspects of environmental sampling. While water sampling will be emphasized, other environmental media such as sediment and air monitoring will be explored. The course will consist of a week-long field experience in Door County and a week of laboratory analysis, data analysis, data presentation, and project management at the ERIC lab. The field experience will involve brief daily lectures, daily sampling trips throughout the county, and sample analysis.

### COURSE DESCRIPTION:

This course will investigate methods to determine and report water quality of natural systems (i.e., lakes and rivers) and drinking water (municipal plants and water wells). Included are lectures on the theoretical concepts and hands on labs and field sampling to learn how to sample for various contaminants, how to take, preserve, transport and analyze field samples, how to interpret and present analytical results in light of current regulations.

### COST:

UW Oshkosh tuition plus a course fee to cover field experience. There are sections available for UW Oshkosh and non-UW Oshkosh students to enroll. Final decisions on course offering are anticipated to be made the first week of May.

**For more information about the course syllabus, costs or how to enroll as a non-UW Oshkosh student, contact:** Dr. Greg Kleinheinz, [kleinhei@uwosh.edu](mailto:kleinhei@uwosh.edu), 920-424-1100

*This course is offered by UW Oshkosh, a proud member of the Freshwater Collaborative of Wisconsin, [freshwater.wisconsin.edu](http://freshwater.wisconsin.edu).*