



2023 Summer Field Experience

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

The UW Oshkosh Department of Engineering & Engineering Technology in collaboration with the Freshwater Collaborative of Wisconsin is pleased to offer an **exciting field and lab experience for students with an interest in practical and hands-on environmental sampling, experiments and analysis**. The course is designed for majors like Biology, Chemistry, Environmental Studies/Science, Environmental Health, Engineering, Geology and Geography and assumes no prior knowledge of field work or analysis.

The course will take advantage of the incredible Lowenwood campus in Land O' Lakes, WI, as well as the UW Oshkosh satellite laboratory at Crossroads at Big Creek in Door County, WI. **The first week will be spent in Door County and the second week in Land O' Lakes** where the class will explore both 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 field experience will involve brief daily lectures, daily sampling trips to various areas of the county, and analysis of samples collected.

The course is scheduled for the weeks of June 12-16 and June 19-23 with students being able to use the Lowenwood facilities to explore the Northwoods the weekend of June 17 and 18.

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; and 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 2023.

For more information about tentative syllabus, details on cost, or the registration process, contact: Dr. Greg Kleinheinz, kleinhei@uwosh.edu, 920-424-1100.