

2024 Summer Field Experience

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

The Department of Engineering & Engineering Technology in collaboration with the Freshwater Collaborative of Wisconsin (FCW) is pleased to offer an **exciting field and lab experience for student 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 10-14 and 17-21 with students being able to use the Lowenwood facilities to explore the Northwoods the weekend June 15 & 16.

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. Contact Dr. Greg Kleinheinz (kleinhei@uwosh.edu) or 920-424-1100 for a tentative syllabus or details on cost or the process of registration. There are sections set-up 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 contact:

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