



Great Lakes Research Technologies (WSI 200)

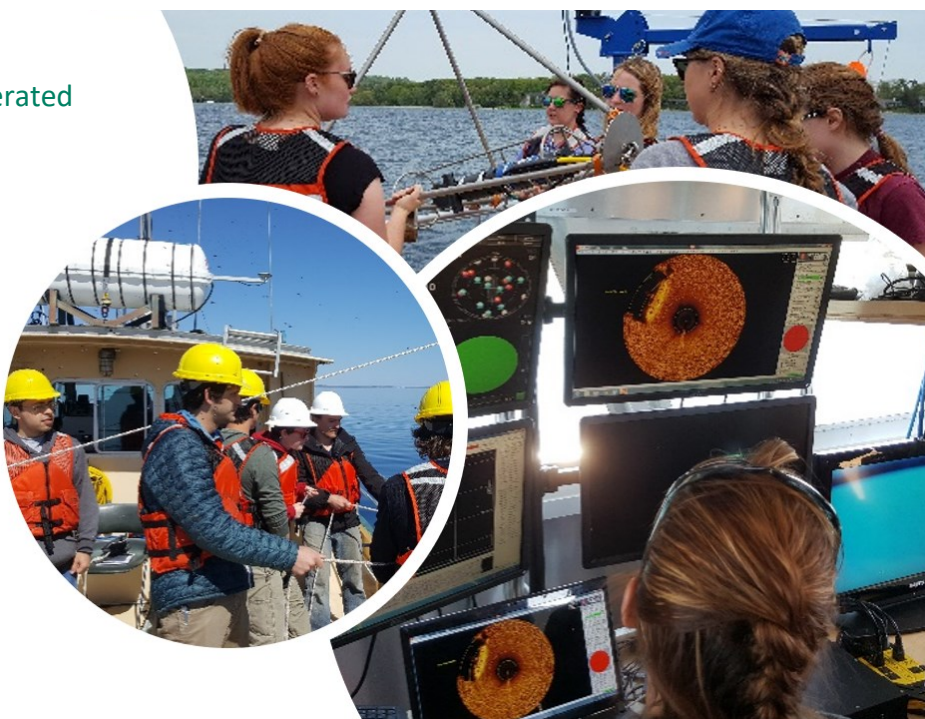
A Great Lakes Water Studies Institute Summer Study Away

May 11-22, 2024, Traverse City, MI (3 GVSU Cr. Earned)

In this hands-on, on-the-water experience aboard the 56' Northwestern research vessel, you will learn to use the marine technologies—ROVs, sonars, and other sensors—to collect marine data. Your experience will include the exploration of shipwrecks, diverse ecosystems, man-made infrastructure, and many geological and glacial features of Grand Traverse Bay. This course is designed for undergraduate students with little to no experience using this equipment.

You will learn to:

- Operate multiple remote operated vehicle (ROV) systems
- Utilize marine data collection software
- Mobilize, calibrate, and operate sonar systems including: Side Scan, Scanning and Imaging, and Multibeam Sonar



To learn more about the program and how to apply, contact Jackie Abeyta at abeytaj@gvsu.edu

Additional Program Information:

This 3-credit course—WSI 200 Great Lakes Research Technologies—is offered by NMC's Great Lakes Water Studies Institute in Traverse City, MI. The course meets Mon-Fri from 9 am - 3:30 pm, May 11-22nd at the Great Lakes Water Studies Institute and aboard the Northwestern Research Vessel. Students must complete a guest application to NMC. Upon successful completion, the course will transfer back to GVSU as ENS 280 Special Topics in Environmental Studies.

Tuition: \$950 (Grand Traverse County Residents); \$1462 (Michigan Residents); \$1758 (Out-of-State Residents)

•Housing: Available at NMC's East Residence Hall, May 11-22. \$40 double occupancy/shared bath). See <https://www.nmc.edu/student-services/housing/summer-housing/index.html>.

EARN GVSU CREDIT (ENS 280-Special Topics) This unique experience can be applied as credit to a variety of majors at Grand Valley State University. Contact





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Program FAQs

Q: Is this program eligible for financial aid? A: Yes, if you are also registered for at least one GVSU course in the Spring/Summer 2024 semester. You will need to fill out GVSU's concurrent enrollment form for NMC found at www.gvsu.edu/finaid located under the forms tab.

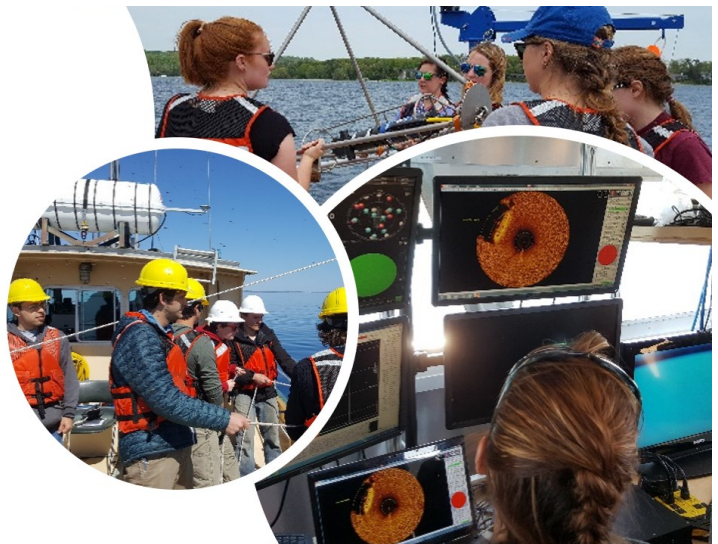
Q: Am I required to utilize housing at NMC? A: No, you are welcome to find alternative housing on your own. Note that space at NMC is limited, and provided on a first-come, first-served basis. Please also note that August is high-tourist season and hotels and other rental housing is expensive and limited.

Q: Do I need to bring any special equipment or clothing? A: All equipment will be provided. You must wear close-toed shoes (no sandals), and rain gear as needed. You should also bring sunscreen.

Q: Is food provided? A: No, you will need to bring your lunch each day onboard. Water will be provided.

Q: Do I need prior experience working onboard a ship? A: No experience is required.

Q: Do I need to purchase any course materials or textbook? A: No, all necessary materials will be



We simultaneously support people, planet, and prosperity. We think and act on a global basis. Our efforts at supporting the well-being of individuals, groups, and ecosystems are important locally, nationally, and globally—all of which are interconnected and interdependent. —GVSU Values

