

**New** special one-week course offering for GRADUATE STUDENTS AND EDUCATORS  
**Great Lakes Limnology– Summer 2002 Sunday, June 23 to Saturday, June 29**  
**EEOB 698.01 3 Graduate Credit Hours (quarter system)**

A shipboard course offered by The Ohio State University, F.T. Stone Laboratory in collaboration with the US EPA aboard the 180-ft *RV Lake Guardian*.

Instructors: David A. Culver and William J. Edwards (The Ohio State University)

**Curriculum** Students will study the interactions among the physical, chemical, and biological components of the Lake Erie ecosystem at numerous points between Detroit and Buffalo. Study/research topics will include weather, water quality, bottom sediments, introduced species, internal currents and flow, diurnal changes in plankton and other lake dynamics, and how this information is used to answer management questions. Research performed will be developed into one or more manuscripts to be submitted for group publication in the *Journal of Great Lakes Research*.

**Location** All classes, lodging, and meals will be aboard the US EPA's 180-ft Research Vessel *Lake Guardian* on Lake Erie. Some nights will be spent in various ports, while others will be spent on Lake Erie sampling over a 24-hour period. Students should expect long days and irregular class hours typical of the schedule kept by scientists aboard Great Lakes research vessels. Additional instructors will be an EPA scientist (to be named) and Coleen Edwards, a science teacher at Worthington High School. Evaluation will be based on examinations and laboratory reports. A syllabus will be available 1 March.

**Eligibility** The course is intended for graduate students and teachers in aquatic ecology, environmental science and engineering, and science education. Prerequisites: Bachelor's degree, two quarters of inorganic chemistry and an upper level course in ecology, aquatic ecology, limnology, or hydrology. Applicants will submit a list of science courses taken (and grades received) plus a brief essay on the usefulness of this course to their proposed career plans. Enrollment is limited to 20 participants.

**Enrollment** Please complete and return the enclosed application along with a check payable to **The Ohio State University** for full payment of meal costs (\$150). Recommended **deadline is April 15**. (If you are not accepted, your check will be returned)

**Costs**

- Tuition: 3 **graduate** credit hours: \$631 for residents of Ohio; \$1,638 for nonresidents.
- Meals and Logistical Support: \$150
- Texts and supplies: \$40 estimated (to be paid on first day of course)
- Lodging aboard the *Lake Guardian* (with linens/blankets): FREE - provided by USEPA

**Accepted students will receive**

- a statement of tuition fees (payment due May 24\*)
- an official OSU registration form (due May 24\*)
- medical forms required by EPA to be completed and turned in on the first day of the course at check-in (all participants are required to have medical insurance).

*\*Upon acceptance into this course, students currently enrolled at OSU would officially register through BRUTUS or their college office and would receive their tuition bill from OSU Fees & Deposits.*

Time and procedures for check-in as well as information on what to bring (and not bring) will be sent in mid-June. Participants will be responsible for transportation to the check-in location at Stone Laboratory at Put-in-Bay, Ohio, or another Ohio port (to be determined), where they will board the *Lake Guardian*. The vessel will dock in Canada and in the U.S. so you must carry proof of citizenship (either passport or birth certificate). International students may need a visa.

**Questions:** Contact Arleen Pineda or Dr. Jeffrey Reutter (614)292-8949 or David Culver (614)292-6995