

In addition to its own sponsored workshops [see <http://coseegreatlakes.net/events/>], COSEE Great Lakes has scholarship funds to assist some Great Lakes area teachers in learning about the oceans through experiences sponsored by regional institutions. The ocean education can occur on the Great Lakes or “salty” coastlines. For 2006, teachers may apply for a COSEE scholarship to ONE of these programs. Scholarship award is contingent upon acceptance into the program of choice. Check each program for its application deadlines!

**New York Sea Grant, COSEE Great Lakes and Aquarium of Niagara:**

- **August 12-19** Tropical Marine Ecology Workshop Roatan, the Bay Islands, Honduras. Biodiversity of a coral reef ecosystem and related habitats; dynamics of survival relationships of reef animals and pressures from an emerging industrial island nation; dolphin encounter. TEN teachers will be supported for this workshop!  
[http://coseegreatlakes.net/events/tropicalecology\\_workshop](http://coseegreatlakes.net/events/tropicalecology_workshop)

**The Ohio State University, Courses for Educators at F.T. Stone Laboratory on Gibraltar Island in Lake Erie** [ <http://ohioseagrant.osu.edu/stonelab/courses/> ] :

- **July 2-8** Principles of Oceanography for Science Teachers [GEOL SCI 584]  
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanographic principles.
- **June 11-17** Marine and Aquatic Education [NAT RES 614]  
Overview of oceanic and Great Lakes resources, their roles in history, climate, commerce, and culture; examination of teaching materials for formal and informal settings.
- **June 18-24** Great Lakes Education Workshop [NAT RES 611]  
Shipboard and shoreline science experiences on Lake Erie, in conjunction with EPA monitoring schedule aboard the R/V Lake Guardian. [The credit-bearing component of a COSEE Great Lakes workshop [http://coseegreatlakes.net/events/shipboardscience\\_erie](http://coseegreatlakes.net/events/shipboardscience_erie)

**Shedd Aquarium and Associated Colleges of the Chicago Area [ACCA]:**

- **May 22-30 or May 30-June 7**, with Saturdays in April for class preparation.  
**Marine and Island Ecology of the Bahamas Course and Field Program**  
Explore habitats and animals found on and around the Bahamian islands. Discover how oceanography and water chemistry affect marine habitats and island environments. Develop identification techniques for fishes, reptiles, plants and invertebrates. Gain knowledge of techniques and procedures used in field research. Survey a variety of marine and terrestrial communities in the Exumas. Live aboard the R/V Coral Reef II, the Shedd Aquarium’s research vessel. [http://www.sheddaquarium.org/cal\\_classes\\_1.html#acca](http://www.sheddaquarium.org/cal_classes_1.html#acca)

## Michigan Tech, Western UP Center Summer Opportunities

- **June 17-23 Explore Great Lakes Maritime Transportation [ED 5680, 3 cr]**  
Travel the southern shore of Lake Superior to study how the Great Lakes are used as a critical transportation artery. Investigate the economics, security, and environmental issues of Great Lakes commerce. 3 cr. ED 5680  
<http://www.ed.mtu.edu/pd/maritimetransportation.html>
- **July 9-15 Great Lakes Ecology Aboard EPA's R/V Lake Guardian [ED 5630, 3 cr]**  
Live aboard the U.S. EPA's research vessel and tour Lake Superior to study physical, chemical and biological limnology taught by Michigan Tech faculty and EPA scientists.  
[http://wupcenter.mtu.edu/education/Ecology\\_of\\_the\\_Great\\_lakes/lake\\_guardian\\_2006/index.html](http://wupcenter.mtu.edu/education/Ecology_of_the_Great_lakes/lake_guardian_2006/index.html)
- **July 16-20 Maritime and Lake Superior Ecology Aboard a Tallship**  
The tallship "Denis Sullivan" is the classroom for this one-week program emphasizing lake ecosystems. Participants will serve as crew while sailing around the Keweenaw Peninsula.  
<http://www.ed.mtu.edu/pd/tallship06.html>

## NOAA Teacher at Sea program

- For current K-16 teachers. **Apply by FEBRUARY 28!**  
The mission of NOAA's Teacher at Sea program is to give teachers a clearer insight into our ocean planet and a greater understanding of maritime work and studies, and to foster an interdisciplinary educational experience that provides a unique environment for learning and teaching. <http://teacheratsea.noaa.gov/>

## Teacher exchange with COSEE Southeast

- COSEE Great Lakes will support one MIDDLE SCHOOL teacher to participate in the 2006 *Coastal Ocean Observing Workshop: Taking the Pulse of our Coastal Ocean*. The program is designed to provide information about new ocean observing systems, technology and relevance to understanding our coastal ocean, and promote the use of real time and near real time data in secondary science. [http://www.scseagrant.org/se-cosee/teacher/06\\_ocean\\_observ.htm](http://www.scseagrant.org/se-cosee/teacher/06_ocean_observ.htm) Apply by April 5.