



TROPICAL MARINE ECOLOGY

An 8-day Workshop at a tropical reef in Roatan, Honduras, Central America

Join New York Sea Grant, The Center for Ocean Science Education Excellence - Great Lakes (COSEE-GL) and the AQUARIUM of Niagara on their nineteenth annual expedition to the Caribbean. Study the biodiversity of a coral reef ecosystem and the related habitats that support its complex structure. Observe the dynamics of age-old survival relationships of unique animals on the reef and the pressures of an emerging tourist destination on these delicate relationships. Swim and interact with dolphins at the largest dolphin encounter in the Caribbean. Comfortable boats will deliver us to the calm, sheltered coral reef lying just offshore, where you will be snorkeling among the reef fishes in warm water almost as clear as air. This course is a must for nature lovers and science teachers at all levels. Transform life science and social studies lessons with materials and experiences that will allow students to construct their own models of these complex but crucial ecosystems.

SEE US ON THE WEB AT: <http://tme2010.blogspot.com/>

- DATES:** August 7-14, 2010 (8 days) Travel arrangements from Buffalo, NY Airport.
- ACCOMMODATIONS:** The Roatan Institute for Marine Sciences and Anthony's Key Resort <http://www.anthonyskey.com/en/rims/rims.html>; oceanfront facility, double occupancy cabanas with private bath, air conditioned classroom, dolphin encounter, dive shop and more.
- COSTS:** **\$2013.00*** for COSEE Scholars* (See funding possibilities below.) Cost includes Key Standard room and meals, round trip airfare from Buffalo, NY, bus and boat fees, transfers, admissions, hotel and departure taxes, and all tips and gratuities. Tuition and souvenirs extra. School districts may financially support their teachers; see note below. Significant others welcome at the regular cost of \$2513. (A limited number of air conditioned rooms are available as well as private rooms and trip insurance, for an addition fee. Please call for more information.)
- GRADUATE CREDIT:** **OPTIONAL:** Three hours of graduate credit are available from SUNY at Buffalo. Tuition costs are extra and must be paid directly to the University. Please call if interested.
- EQUIPMENT:** You will need snorkeling gear: mask, snorkel and fins. If you need to purchase equipment we will make recommendations and provide any necessary training before the trip.
- CONTENT AREAS:** Topics to be covered with presentations and field visits: the coral reef, including reef formation and ecology; reef fish; reef invertebrates; animal relationships; sandy beaches; tide pools; zonation at a rocky shore; mangroves; and turtle grass beds.
- ADDITIONAL INFO:** An informational meeting will be presented Thursday, March 4, 2010 at the Science Resources Center, 10001 Route 60, Fredonia, NY at 7:00 PM. For directions or additional information please call Helen Domske, Sea Grant Resource Agent at (716) 645-3610 or Garry Dole, Science Resources Coordinator, Erie 2 BOCES at (716) 679-3419 or 800-344-9611 ext. 2598 (from 716 area code).

Funding Possibilities to explore....

- * COSEE-GL will provide \$500 scholarships for the first 10 eligible educators. (Trip cost of \$2013 reflects the total cost after the scholarship is applied.) Please attach a copy of your COSEE application to the enrollment form below. A link to the COSEE application is available at: <http://tme2010.blogspot.com/> Please call for info.
- This is a Professional Development activity and may qualify for both local district funding and inservice course credit as required by the NYS Commissioner of Education.

Sponsors of this workshop reserve the right to limit group size and cancel due to insufficient numbers of participants. Cost is based on a minimum of twelve participants and current air fare prices. Participants must be able to demonstrate PADI snorkeling skills or be willing to wear a snorkel vest when in the water. Participants must complete a standard liability waiver.

SEND TO:
Garry W. Dole
E2CC BOCES, Science Resources
10001 Route 60
Fredonia, NY 14063

Please enroll me in the
Tropical Marine Ecology Workshop.
I am 21 or older.

NAME _____
HOME ADDRESS _____
CITY / STATE / ZIP _____
HOME PHONE _____
e-mail _____

Educators please complete:
SCHOOL _____ GRADE _____
SCHOOL ADDRESS _____
CITY / STATE / ZIP _____

If you have _____ attached or _____ need a COSEE Application
Please include a \$800.00 deposit payable to Tropical Marine Ecology and return by March 4, '10

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