

## 2012 From H-2-O Workshop Application

(Only complete applications will be considered. Application deadline: May 24, 2012)

Teacher Name: \_\_\_\_\_

Are you applying to be a **MENTOR TEACHER** or as a **NEW Bayou-side Classroom TEACHER**?  
(Please circle the one that applies)

Preferred Mailing Address: \_\_\_\_\_ School Name: \_\_\_\_\_

Parish where you teach: \_\_\_\_\_

Grades you teach: \_\_\_\_\_

Subject(s) you teach: \_\_\_\_\_

How many students per school year would use Bayou-side Classroom in your class(es)? \_\_\_\_\_

### Contact Information:

School (phone): \_\_\_\_\_ Home or Cell: \_\_\_\_\_

Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

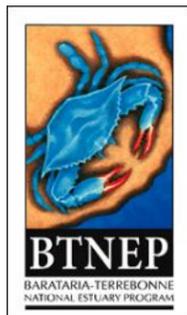
### Applications should be submitted with a short (~one page) statement about:

- how you intend to use Bayou-side Classroom with your students
- the reasons you are interested in attending the workshop
- whether or not you have the support of your administrator to take students outdoors for sampling (optional letter of support from that administrator)
- information about your proposed site (location, number of times you plan to sample, type of water body, site description)

Submit completed application and statement to Murt Conover by email, fax, or USPS.



**Murt Conover**  
8124 Hwy 56  
Chauvin, LA 70344  
mconover@lumcon.edu  
(985) 851-2860  
Fax: (985) 851-2874



### Workshop Topics

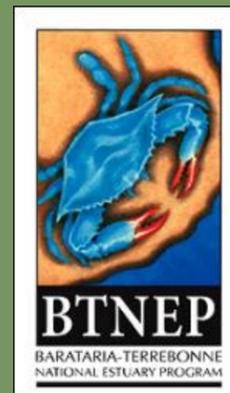
- water quality parameters and normal limits
- sampling techniques
- use of data to test hypotheses
- gulf hypoxia (Dead Zones)
- watersheds
- non-point source pollution
- estuaries
- invasive species
- nutrients & nutrient impacts

### Workshop Contact

Murt Conover

(985) 851-2860

mconover@lumcon.edu



# Teacher Workshop

## From H-2-O: a water quality workshop for teachers June 13-16, 2012

The Louisiana Universities Marine Consortium (LUMCON) was founded in 1979 to coordinate and stimulate Louisiana's activities in marine research and education. LUMCON's primary facilities are located at the DeFelice Marine Center in Cocodrie, Louisiana. This location, situated within the estuarine wetland complex of the Mississippi River delta plain between the Atchafalaya and Mississippi Rivers, provides

ready access to the most productive estuaries in the United States, to a variety of coastal environments, and to the

importance to both Louisiana's needs in marine science and coastal resources and those of the global ocean. The



educational mission of the Consortium is concentrated within the Marine Education Program. This program includes activities at the University, K-12

and Teacher, and Public Education levels to provide many audiences with field experiences and information about marine and coastal environments. The program also supports issues of

open Gulf of Mexico. LUMCON's research program expands the knowledge of estuaries, coastal waters and open ocean ecosystems. The program also supports issues of

## About From H-2-O

**From H-2-O** is a dynamic teacher workshop that allows teachers to work with educator-scientists and mentor teachers to build a community of teachers that are incorporating water sampling into their science curriculum using Bayou-side Classroom.

This workshop will train you to become a Bayou-side Classroom teacher, which will allow you to provide your students hands-on inquiry-based experiences in the environment while helping to monitor the health of Louisiana's aquatic habitats. The focus of this workshop is on water quality and how you

can use regular sampling to help your students understand scientific methods, their place in the estuary, watersheds, and what types of water quality problems exist in estuaries and the ocean.

From H-2-O is a multi-day residential workshop. The workshop is held at the DeFelice Marine Center in Cocodrie, LA. Participants will spend about 2.5 days immersed in a coastal estuarine environment. The workshop consist of both field, laboratory, and classroom work. All activities are designed to ensure that participants have the knowledge and

skills needed to use Bayou-side Classroom with their students.

Each new program teacher will be paired with a mentor teacher or instructor. Mentors are used to help provide a unique and in-depth learning experience.

Workshop funding provided by the Barataria-Terrebonne National Estuary Program.



## DeFelice Marine Center



The Marine Center is a modern, 75,000 square foot complex of research, instructional, housing, and support facilities completed in 1986. The Center includes 26,000 net usable square feet of laboratory, classroom, office, and library space. Eight laboratories are equipped with running sea water. Six additional laboratories are reserved for dry applications

and instrumentation and are used for both research and teaching.

Dormitory rooms provide housing for up to 80 persons and are available for use by students, teachers, visiting investigators, and instructors. A cafeteria/ general meeting room is situated in the center of the complex, linking the housing and research/

instructional spaces.

Visitors are housed in our dormitory rooms 2-4 people per room. Genders are separated on different wings of the dormitory area.



## About Bayouside Classroom

Bayouside Classroom is LUMCON's student-based water monitoring program. Through the use of Bayouside Classroom students practice the use of the scientific method, learn to ask and answer questions like a scientist, learn about their connection to the Gulf of Mexico, and practice environmental stewardship.

Teachers that attend the From H-2-O workshop select sampling sites near their schools to monitor water

quality with their students at that site. Data that is collected is then entered into a student database that can be used to compare sites, moni-



tor the health of our watershed, and test hypotheses.

Teachers that apply to the workshop are encouraged to choose sites that their students can visit at least 2 times

a semester (4 times a year).

Currently there are ~155 sites set up within Louisiana and 5 other sites located in other states. An average of 2000 students are impacted by the program annually. Bayouside Classroom is a great way to meet all of the science-as-inquiry GLE's and to get students to experience their environment in a scientific way.

Visit [www.lumcon.edu/bayousideclassroom](http://www.lumcon.edu/bayousideclassroom) for more information.

## Workshop Notes

- Bayouside Classroom and workshop topics cover all "Science as Inquiry" GLEs
- Teachers that have been trained in Bayouside Classroom during past workshops are encouraged to attend as mentors.
- Each teacher that attends will receive a complete

Bayouside Classroom equipment kit with hands-on instruction on each piece of equipment.

- Teachers will learn how to use the website and database in their classrooms to help make the connection between their Bayouside Classroom sites and the Gulf of Mexico.

- Free lodging & meals during the workshop.
- Interaction with a variety of motivated scientist-educators.

**Selected applicants will be notified by May 30, 2012**

## Workshop Highlights

Every teacher who attends this workshop will . . .

. . . receive a Bayouside Classroom Kit containing

- 1 Dissolved Oxygen titration test kit
- 1 salinity refractometer
- 1 set of plankton sieves
- 1 thermometer
- 1 pH meter
- 1 water clarity tube

- 1 sampling bucket
- 1 clipboard
- safety gear (goggles, gloves, waste bottle, rinse bottle)
- and much more

. . . receive hands-on estuary scientific investigation using Bayouside Classroom sampling and database.

. . . participate in field sessions to experience coastal Louisiana habitats

. . . connect water quality

science to stewardship while connecting students to the Gulf of Mexico.

. . . learn how other environmental issues are related to water quality

. . . Earn up to 24 CLUs.



## How to Apply

Interested in being one of the 2012 participants? Complete the application on the back of this brochure and a short statement about how you plan to use Bayouside Classroom with your students, your reasons for wanting to attend the workshop, and proposed sampling site information. Completed applications must be submitted by the application deadline.

**Application Deadline: May 24, 2012**

Applications and statements can

be submitted by email, USPS, or by fax. Teachers that have participated in past workshops are encouraged to apply to be a water quality mentor teacher.

Additional information about proposed sampling sites will be requested from teachers that selected to attend. More information about workshop details will also be provided to attendees prior to the workshop.

If you have questions about the application, application/selection process, your proposed sam-

pling sites, or eligibility please contact Murt Conover, LUMCON marine education associate.

**Contact:**  
**Murt Conover**  
**(985) 851-2860**  
**mconover@lumcon.edu**  
**fax: (985) 851-2874**

*"This workshop truly rejuvenated me about environmental issues. I'm excited about getting my students involved with environmental monitoring and stewardship!"*

~Libra, 2009

## Workshop/Program Partners

Bayouside Classroom provides and receives program support from many different partners. These partnerships make it possible to offer meaningful and relevant opportunities and environmental experiences to teachers and students.



*"This workshop is the best one I have attended in years.*

*This program gives students ownership of their science and environmental experiences."*

~Scott, 2010

