

Field Marine Science Research Camp



DeFelice Marine Center, Cocodrie, Louisiana *July 16-22, 2017*



Important
Information about
FMS:

Camp contact:

Murt Conover
mconover@lumcon.edu
(985) 851-2860

Application Deadline:

June 15, 2017

Camp fee:

\$225/student

For more information
on LUMCON & CWC
education programs
visit:

www.lumcon.edu

or

cwc.lumcon.edu



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 provides ready access to a variety of coastal environments, and to the open Gulf of Mexico.

LUMCON's research programs expand the knowledge of estuaries, coastal waters and open ocean ecosystems. The program also supports issues of importance to both

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

The **Coastal Waters Consortium (CWC)** came together in early 2012 to assess the chemical evolution, biological degradation, and environmental stresses of petroleum and dispersants within Gulf of Mexico coastal and shelf ecosystems. CWC research, education and outreach programs are funded for 3 years by the Gulf of Mexico Research Initiative.

The **Gulf of Mexico Research Initiative (GoMRI)** was formed in May 2010. The mission of GoMRI is to investigate the impacts of the



oil, dispersed oil, and dispersants on the ecosystems of the Gulf of Mexico and affected coastal States in a broad context of improving fundamental understanding of the dynamics of such events and their environmental stresses and public health implications.

About FMS

CWC & LUMCON are offering students an opportunity to gain practical and real world experience about conducting field research in the coastal marshes of south Louisiana. Participants of this research-based camp will learn about some of Louisiana's most treasured resources and how to conduct and report their own research results.

As campers, students will have access to research vessels, research equipment, laboratories and scientists. Participants of this camp will become part of the scientific community that is trying to assess the state of our coastal systems after the *Deepwater Horizon* oil spill.

FMS is designed for students from 9th to 12th grade who have a desire to learn more

about how to effectively conduct a research and communicate their results. This week-long residential camp immerses students in the environments about which they are learning.

FMS is ideal for students that are serious about perusing a career in marine or environmental science and would like to gain research experience before entering college.

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.

LEAD campers are housed in our dormitory rooms 2-4

students per room. Gendered rooms are separated on different wings of the dormitory area.

Camp staff are on site 24 hours a day. A security guard is also on site during non-business hours.

Camp Highlights

Campers are given every opportunity to take advantage of the ongoing research at the marine center. Activities are designed to give campers the best experience to help them further their understanding of the coastal ecosystem and science in general. Students will engage in science research projects that are designed to fit right into the research currently being conducted by CWC scientists. Campers will complete FMS with a new awareness and understanding



of the ecosystem, the current research results, and further insight in how to communicate like a scientist.

Listed below are just some of the experiences and opportunities that will be provided to participants of FMS.

- ◆ Daily field excursions/laboratory time to conduct research projects.
- ◆ Presentations and panel discussions with CWC

scientific staff.

- ◆ The chance to communicate the results of their research projects with science professionals.
- ◆ Exposure to and experience in working with large datasets.
- ◆ Opportunities to learn more about picking the right college/graduate programs.
- ◆ And much more

FMS Camp Cost: \$225/student*



The camp fee is all inclusive. The fee charged per student covers the costs of the meals, snacks, activities, and housing.

Additional funding for FMS is being provided by the CWC through a grant from BP/Gulf of Mexico Research Initiative.

Camp Fee: \$225/student

Payment deadline: July 7, 2017

*Scholarships may be available to students who qualify.



Camp goals:

FMS is a research experience for students in high school that want an in-depth experience into how to conduct research in the marine environment. The goals of this one week residential camp are:

- ◆ To give students experience conducting research in the coastal marine environment
- ◆ To provide students with the opportunity to learn about current research being conducted by CWC scientists
- ◆ To provide students with an opportunity to build a network of science professionals
- ◆ To give student the knowledge they need to effectively communicate science with their peers and scientists
- ◆ To provide students with a project ideas and data to compete at school/regional science fairs.



How to Apply

To apply to be one of the 2017 campers, submit a completed application (included on the back of this brochure), a one page essay and a letter of recommendation by the application deadline. Applicants will be notified about the status of their applications about one week after the application deadline. No applications will be reviewed before the application deadline.

The letter of recommendation must be from a current

teacher and must include contact information.

The essay must be at least one page and include why you want to attend camp, a short description of any research experience (e.g. science fair, class lab activities), and what interests you about science.

Eligible students are students who are in 9th through the 12th grades (during the 2016-2017 school year).

Send all application materials to:

Emily Rosser

c/o LUMCON

8124 Hwy 56

Chauvin, LA 70344

Application Deadline: June 16, 2017



2017 FMS Research Application

July 16-22, 2017

Participant Information

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Tel. Number: _____ Email: _____

Grade: _____ School: _____

Birthday: _____ Gender: _____

Recommending Teacher

Name: _____

School: _____

Tel. Number: _____ Email: _____

Parent Contact Information

Name: _____

Tel. Number: _____ Email: _____

Application to FMS must include:

- completed application form
- letter of recommendation from a current teacher
- one page essay

Application Deadline: June 16, 2017

Cost: \$225/student

Mail, email or fax application materials to:

Emily Rosser

c/o LUMCON

8124 Highway 56

Chauvin, LA 70344

Fax: (985) 851-2874

erosser@lumcon.edu