Mississippi and Louisiana Barrier Islands
How did they get here? Why does it matter?
WORKING DRAFT ITINERARY

Friday, April 10 through Sunday, April 12, 2015
Rain Date: Friday, May 1 through Sunday, May 3, 2015

Friday, April 10 (5.00 hours of instruction)
Field Studies Building, Room 102

9:00 am Coffee and snacks, registration and CEU paperwork *
9:30 am Welcome warm-up activity (0.25)
9:45 am Pretest *
10:00 am Introduction to barrier islands, geologic setting (2.00)
Their role in habitat and human community protection
Origin of barrier islands – in general, Mississippi, Louisiana
12:00 pm Lunch (GCRL cafeteria) *
12:45 pm Barrier island processes and habitats; organisms and adaptations (1.25)
2:00 pm Break *
2:30 pm Muster at MEC bus with one night of clothes, sleeping bag, pillow and field clothes;
Depart for Louisiana *
4:30 pm Assignment to be completed by Golden Meadow:
Teams discuss and, using a worksheet provided to them, summarize origins, roles,
preservation potential of Mississippi vs Louisiana barrier islands.
5:30 pm Arrive in Golden Meadow
Picnic (provided by GCRL cafeteria)*
6:00 pm WETMAAP ground-truthing and land loss lesson (1.50)
Check and update classroom summary
7:30 pm Depart for Grand Isle, LA *
8:30 pm Arrive Grand Isle, Louisiana; find accommodations; Adjourn for the evening. *

Saturday, April 11 (4.75 hours of instruction)
Grand Isle, Louisiana

7:00 am Cold breakfast (GCRL); coffee *
7:45 am  Muster at MEC bus in field clothes that can get wet, sandy and, perhaps, muddy *

8:00 am  Grand Isle ecosystem exploration and data collection near Grigsby Wood (2.00)
Conduct Cross-Island elevation profile with graph
Describe and record beach and maritime forest habitats (flora, fauna, substrate)
Check and update data summary

10:00 am  Break *

10:30 am  Grand Isle ecosystem exploration and data collection near Grigsby Wood (1.50)
Conduct water quality sampling and analysis (Gulf and Bay), record data
Check and update data summary

12:00 pm  Lunch (Subway) *
Drive to Grand Isle State Park

1:15 pm  Grand Isle ecosystem exploration and data collection near Grand Isle State Park (1.25)
Conduct water quality sampling and analysis (lagoon), record data
Describe and record marsh and mangrove forest habitats (flora, fauna, substrate)
Check and update data summary

3:00 pm  Depart for New Orleans *

5:30 pm  Supper (Felipe’s Taqueria) *

6:30 pm  Depart for GCRL

8:30 pm  Arrive at GCRL. Adjourn for the evening. *

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**Sunday, April 11 (6.25 hours of instruction)**

**Ship Island and Gulfport Harbor, Mississippi**

7:30 am  Muster at MEC bus, GCRL campus; drive to Gulfport Harbor *

8:30 am  Arrive at Ship Island Excursions, Gulfport Harbor *

9:00 am  Departure for Ship Island (1.00)
Compare maps and land loss data for Ship Island and Grand Isle
Compile water quality and habitat data from Grand Isle

10:00 am  Ship Island ecosystem exploration and data collection (2.00)
Around-island natural history walk: Describe habitat, beach, back-barrier, inlet descriptions; littoral drift island transport, wave dynamics.

12:00 pm  Picnic (provided by GCRL Cafeteria) *

12:45 pm  Ship Island ecosystem exploration and data collection (2.25)
Cross-island transect: Describe and record beach, dune, interior habitats (flora, fauna,
Conduct water quality sampling and analysis (lagoon), record data

2:30 pm  Board Ship Island Excursions ferry, depart for Gulfport (1.00)
Compile water quality and observation data for Ship Island
Compare water quality and habitat descriptions from Ship Island and Grand Isle
Summarize differences in origin (classroom) and present condition (data)

3:30 pm  Arrive at Gulfport Harbor *
Posttest *
Depart for GCRL. *

4:30 pm  Arrive at GCRL. Adjourn. *

* Activities outside of instructional time

** Instructional activity includes significant time spent in vehicles moving from one location to another. In order to convey content objectives participants will be expected to spend time with team members discussing assigned questions and recording specific observations, details and summaries on worksheets provided for that purpose which will be provided to participant. One set of worksheets will be collected from each team of participants. It will be returned to all members of each team via email within 24 hours of the end of the workshop.

This program provides location-specific information to address the following content areas.

MASGC Focus Areas
Healthy Coastal Ecosystems  http://www.masgc.org/page.asp?id=195
Ocean Literacy
  2: The ocean and life in the ocean shape the features of earth (b,c,e)
  http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-2-v2/
  3: The ocean is a major influence on weather and climate
  http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-6-v2/
  5: The ocean supports a great diversity of life and ecosystems
  http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-6-v2/
  6: The ocean and humans are inextricably interconnected. (a-g)
  http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-6-v2/

FOR MORE INFORMATION PLEASE CONTACT:
Instructors:
Dr. Jessie Kastler (jessica.kastler@usm.edu)
Mr. Aaron Lamey (aaron.lamey@usm.edu)
228-818-8861

THE UNIVERSITY OF SOUTHERN MISSISSIPPI
GULF COAST RESEARCH LABORATORY

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