

BIOS 5770 Special Topics in Biology

Science in the Natural Environment

- *The University of North Carolina at Pembroke will offer this course during First Summer Session 2014*
- *Informational Meeting to be held January 23, 2014 from 5-6pm in Oxendine 1108*

The Next Generation Science Standards (NGSS) suggest the systematic study of nature as appropriate inquiry-based instruction for K-12 students. This course will situate teachers in an isolated natural setting, thereby stimulating their own study of nature, as suggested by the NGSS. Focus will be on establishing a learning community onsite, with group and individual observational and empirical studies. The learning community will be augmented with sea life collections, nature writers selections and lessons using natural phenomena. Dr. Hagevik and Ms. Stinger-Barnes will be joined by additional on-site faculty.

This course is a special topics in Biology course offered by the Biology Department to fulfill 3 credit hours in Biology

A previous enrollee, a new teacher remarks: "I discovered everything a textbook could not have taught me...how a sting ray feels, the smell of the ocean, the sight of a million stars, seclusion and absolute peace with nature and with myself." An experienced teacher said: "I learned so much more about birds, the coastal ecosystem, the plants and the geology. The experience will last a lifetime and will help me be a better science teacher to my students."

Ocean Beach & Estuarine Ecology Education

Graduate Course,
including Field Trip to
Ossabaw Island near
Savannah, GA



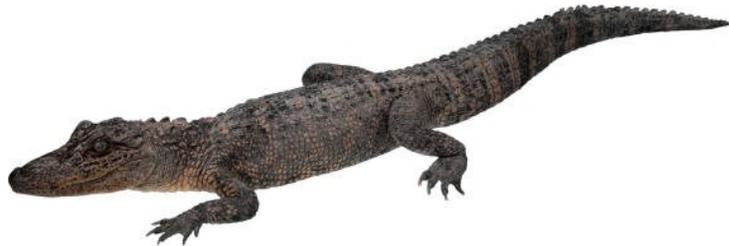
Summer I 2014 (3 credit hrs.)

June 12—June 15th (on Ossabaw Island)

Pre-trip classes, May 20, 22, 27, 29 from 5-8pm

Project Aquatic WILD/Wet May 17 from 9am-3pm

Post-trip class at the end on June 26 from 5-8pm



UNC Pembroke

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Island Expenses

Expenses on Ossabaw include boat fees, camping fees, instruction, and food: \$375.

Deposit \$100. Remaining fee of \$275 must be paid in addition to tuition for Summer I.

Application Information

Admissions: All new undergraduate and graduate students must make formal application for admission to the University of North Carolina at Pembroke.

To apply and hold your reservation, each applicant must complete the reservation deposit form attached to this brochure. Send this form with your \$100 deposit ASAP. There is space for only a limited number of students; acceptance will be made by the instructors on a first-come basis. Details of the course (slides of previous trips) and pre and post trip classes (5) will be described at the informational meeting, January 23, 2014 in Oxendine 1108.

Will be taking the Biology van and car pooling. Spending money will be at the discretion of each participant. Savannah has many attractive sites you may want to visit before or after the field trip.



About Ossabaw Island

Ossabaw Island, a 26,000 acre barrier island, is one of Georgia's "Golden Isles." Ossabaw Island is Georgia's first Heritage Preserve, the strongest level of protection offered by the state. Ossabaw is maintained as a "wilderness preserve, to be used solely for natural, scientific, and cultural study, research and education, and environmentally sound preservation of the island's ecosystem." The former owner of the island, Mrs. Eleanor "Sandy" West directed that the island could be visited primarily by educational groups. She feels that her island, accessible only by boat, is an ideal site for education, inspiration, development of creativity and community.

Ossabaw is home to maritime forests, marshes, rivers, swamps, hammocks, animals of these habitats, and an ocean beach of 9.5 miles. In fact, we will have the only camping site on the beach. Because the island is so remote, only drinking water, water for bathing, a covered pavilion with picnic tables, and a primitive palm-surrounded "facility" are provided. The instructors have found that previous attendees do not miss the modern conveniences when surrounded by island and beach beauty, once they arrive. Everyone will be "roughing it," and the importance moves to the incredible flora, fauna, and barrier island processes, the foci of our studies. The outdoor curriculum will be exciting and rich.

See the November 2001 issue of National Geographic magazine for an update on Mrs. West's plea to the state of Georgia to keep their promise and resist pressure from recreational lobbyists for unlimited access to Ossabaw. See also the ossabawisland.org website.

Supplies, Texts, Reservations, Payment & Policies

A supply list and textbook list will be distributed at the informational meeting. You will need items such as a tent, sleeping bag, binoculars, etc NO RADIOS/PODS/ CELL PHONES allowed during programming, but can be used during free time on the island.

The \$100 deposit will hold your reservation. The remainder of the \$275 island costs are due by April 30th, 2014. Ten students must enroll for the course to be taught. Each student will be required to read, sign, and have notarized a Waiver of Liability and Assumption of Risk Forms for both the Ossabaw Island Foundation and UNCP.

Students will need to purchase or download the NGSS. Other texts and various field guides for identification of plants and animals are also required. Estimated costs: \$125. You must purchase all your texts before the first class, May 20, 2014. There is one class on a Saturday to participate in Project Aquatic WILD/WET.

Summer I Reservation Deposit Form

Please make reservations for me for the course below:

BIOS 5770 Special Topics in Biology

Science in the Natural Environment

Enclosed is my check or money order in the amount of \$100.00,

subject to the course conditions which I have read. I understand

that I must pay the balance due by the date established in this brochure.

Name: _____

Address: _____

Brave ID# _____

E-Mail: _____

Home Phone: _____

School Phone: _____

Cell Phone: _____

Mail reservations, along with a \$100 deposit by check or money order

payable to the UNCP, to:

Dr. Rita Hagevik
Director of Graduate Studies in
Science Education
Department of Biology
2240 Oxendine Science Building

P.O. Box 1510
Pembroke, NC 28372-1510
910-521-6652

*Please note "Field Trip/Ossabaw Island" on the bottom of the check/money order