BIO 4730/6730: BIOLOGY OF SELECTED MARINE ENVIRONMENTS
Spring Semester 2019
Includes a Spring Break field trip to Seahorse Key Marine Lab
March 2-March 9, 2019
Application due: November 23, 2018

Keep this page and refer to it later for information about the trip

This course is an upper level undergraduate/graduate field. The course will include a 1-week field trip to Seahorse Key Marine Biology Laboratory near Cedar Key Florida from March 3– March 9, 2019. Students will be required to conduct a group research project in marine biology while they are on the island.

Since marine biology is a multidisciplinary subject, it is difficult to list all useful background courses. We assume that everyone submitting an application knows the names and major characteristics of the phyla, and grasps the major concepts of ecology. Useful supporting course work includes the following: BIO 2310, *Ecology;* BIO 3150, *Biology of the Invertebrates;* BIO 3050, *Animal Physiology*; BIO 3800, *Conservation Biology*; BIO 4110, *The Aquatic Environment*; BIO 4650, *Ecosystem Ecology and Global Change*, and BIO 4720 *Ornithology.*

For the first half of the semester, there will be lectures and exams to teach basic principles of Marine Biology. Students will also develop a field experiment during this time. During spring break, we will go to Seahorse Key Marine Biological Station, near Cedar Key, Florida. This trip is fun because of all the interesting environments we visit and all the living specimens we observe. We will spend the first day in the field familiarizing you with the flora and fauna of the island. Students will then conduct group field projects. Each person must be highly motivated and able to work both independently and in groups. Problem solving skills are especially important.

We travel in vans to and from Cedar Key, Florida. We will spend Sunday night in a hotel in Gainesville and then take a boat to the island of Seahorse Key the next morning. We stay in dorms in the lighthouse at the Marine Lab. There are two dorms (one each for men and women) and two faculty rooms. We work all day in the field regardless of the weather. Water temperatures are variable and depending on the year can range from low to high 60's F. Evenings are spent in the laboratory looking at all the interesting specimens that we have collected and running experiments.

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BIOLOGY OF SELECTED MARINE ENVIRONMENTS - BIO 4730/6730
APPLICATION

Return to: Dept. of Biological Sciences, 235A BS1
Wright State University
Dayton, OH 45435

Questions? Contact Dr. Bahn, 225C BS1
Phone: 775-4152
Email: volker.bahn@wright.edu

Contact Leonard Kenyon, 225A BS1
Phone: 775-3799
Email: len.kenyon@wright.edu

Up to 16 students may be selected. Preference will be given to senior Biology Majors. Additional qualified students will be named as alternates. Accepted applicants must pay the full course fee to the Biology Department within one week of registering for the course and no later than December 20, 2019. The field trip fee is returnable to a canceling student only if another acceptable student is available.

COSTS ABOVE TUITION: $350
The course fee covers transportation to Florida, use of field station, and lodging. The cost may increase if enrollment is particularly low.

In addition you will need to budget for meals. Meals will be organized, cooked and paid for by all of us. Food will cost $100 per person for the week. Meals on the road to and from are your responsibility.

APPLICATION DEADLINE for the Spring 2019 class is Friday, November 23, 2018. Selection of those who will be permitted to sign up will not be made until the entire pool of applicants is available for our review. We expect to notify students as to the status of their application by the Thanksgiving break.

Name: _____ e-mail Address_____

Information you provide on this part of the application will be treated with strict confidentiality and will have no bearing on your selection for the course.

Age (mark with a √ if 21 or older by February 28) _____
Sex: _____

Cell phone #: _____

Place you can be reached by mail:

_____

Name, address, phone of relative or other person to be contacted during field trip in case of emergency:

Name: _____

Address: _____

_____

Contact's home phone: ( ) _____

Contact's work phone: ( ) _____

Check categories which apply to you:

_____1. AYA Science
_____2. WSU Graduate Student with Major in _____
_____3. WSU Undergraduate with Major in _____
_____4. Other _____

What is your general state of health? _____ When was your last checkup? _____

Be aware that before leaving on the trip you or your parents (if you are under 21) must sign a waiver since the trip involves potentially hazardous activities.

The trip includes extensive walking through marsh, mud, sand, and shallow water. We will be on an island that is only accessible by boat.

Do you have a disability which you feel might restrict your activity during the field trip:
_____ no
_____ yes. If yes, please explain:
_____
_____

How well can you swim? ____ some - up to 25 meters; ____ ok - up to 200 meters; ____ well- over 200 meters; _____ not at all (if not, you must complete a swimming course)

Do you have an Ohio driver's license?

Do you have any special skills (like paramedic, etc.)?

_____

Since laboratory and boat space is limited, we normally must select students from among all the applicants. Preference is given to students who are academically well prepared, may be approaching graduation, and who have demonstrated in various ways that they can derive the greatest benefit from the course. By providing the following information you will help us in the selection deliberations.

List all sophomore level (2000 level, or their equivalent if taken elsewhere) and higher Biology courses you will have completed by the end of Fall 2018. Put the name of the course, not just its number.

What is your current GPA? _____ If your GPA is below 2.5, are there reasons you would like to explain? _____
_____
_____
_____

When do you plan to receive your degree? _____ _____
Semester Year

Name and phone number/e-mail of one (or more) university faculty member(s) most familiar with your academic performance.

1._____

2._____

Describe in the space below your career goals:

Describe below why you want to participate in this course: