

ZOO 4403C (Marine Biology) – 4 Credits

Summer 2016

Dr. Joan Herrera, Biology

Seahorse Key Marine Laboratory, Cedar Key, FL

Instructor: Joan Herrera, PhD

Email: encope@ufl.edu

Office: 322 Carr Hall

Phone: 352-213-2498

Office Hours: By appointment

TA: Lianne Jacobson

Email: liannejacobson@ufl.edu

Office: 616 Bartram Hall

Phone: TBA

Office Hours: By appointment

Required: Marine Biology: An Ecological Approach, 6th Edition, James W. Nybakken, and a waterproof field journal.

Suggested: Any good guide/key to seashore life of the southeastern United States.

Prerequisites: General Biology (BSC 2010 and 2011), General Ecology or equivalent is recommended.

Meeting Times and Places: Lecture, Lab, and Discussions: Meeting times are customized for the course, but the class will meet June 27-August 5. We will be based at Seahorse Key from July 6-8 and from July 18-22. When on campus in Gainesville, we will meet Monday through Friday in 521 Carr Hall from 8:30-10:30 and in Carr 120 from 1:00-3:00. Sessions may be of variable length, but will start on time unless otherwise announced. We have the lab (Carr 120) reserved each day until 4:45 for individual and group work. In addition to field work at SHK, there will be at least two other day-long field trips.

Cost: NORMAL TUITION FOR 4 HOURS OF CREDIT + \$625-\$825 field fee per student (this fee covers most of the expenses of boat time and use of the Seahorse Key Marine lab during multiday field experiences; it does not include fishing license, field journal, independent project costs, incidentals, or text). Exact final fee depends on boat time application and will be determined before classes begin. Fee is due the first day of class.

Course Description: This course is designed to introduce students to the natural history, biology, diversity and community ecology of marine and terrestrial ecosystems along the coasts of Northern Florida with an emphasis on diversity, adaptations and species interactions. Much of our time will be spent in the field and attention will be given to species identification, collection methodology, sampling techniques, and other useful field skills.

Lectures, lab work and readings will supplement the field work, as will an independent project to be carried out in the habitats surrounding the island of Seahorse Key Marine lab. A typical day in the field may involve visits to two or three field locations, sampling and identification of organisms, and lectures.

The rest of the course will consist of lecture and lab activities on the UF campus and additional day-long field trips to other marine habitats in Florida.

Course Objectives:

Provide hands-on field-intensive learning experiences and comprehensive lectures.

Students will gain an understanding of the physical and chemical properties of marine environments.

Students will gain an understanding of, and appreciation for, the unique biology of marine organisms.

Students will be introduced to the marine environments of North Florida.

Students will gain a broad understanding of the diversity, ecology, adaptations and natural history of marine organisms of Florida.

Grading:

Each student's percentage score for the class will be calculated from the following:

Exam I: 20%

Participation and Teamwork: 10%

Independent Project: 10%

Presentation: 10%

Field Logs: 10%

Exam II: 20%

Lab Practical: 20%

The grading scale will be as follows:

A+, 97-100%; A, 90 – 96.9%; B+, 87-89.9%; B, 80-86.9%; C+, 77-79.9%; C, 70-76.9%; D+, 67-69.9%; D, 60-66.9%; E, < 60%.

Attendance:

Summer B is a very short session and this course has a very large field component. **Attendance is critical for this course and is mandatory.** Much of the course cannot be made-up, so it is critical that all students are prompt and attentive during scheduled lectures and field trips. Students may miss only one lecture without a doctor's note. If a student misses more than one lecture, they will need to drop the course. Tardiness is also not allowed, attendance will be recorded and lectures will begin on time. If a student is tardy for more than three lectures, they will need to drop the course.

Policy for Absences, Late Assignments, and Missed Work:

Absence for University of Florida-sponsored activities: You will need to provide a letter on UF letterhead and all dates at least 2 weeks in advance of dates you will miss class, assignment due dates, or exams. These letters must have contact information for the person writing the excuse letter. You will only be excused for the dates listed. Student rallies, protests, strikes, etc. are not acceptable excuses. Attending sporting events or conferences are also not acceptable excuses. You must be required to act as an official representative of the university at the event in order to be excused from any class. There may be field activities that you will not be able to makeup if you are absent.

Absence for illness or other medical emergency: You will need to provide a written doctor's note with dates excused within 3 days of due date, test, or any class work missed. The note must be on the doctor's office letterhead or as given by the student health center physicians. It must also be original (not a copy). See <http://www.shcc.ufl.edu/excuse.shtml> for the student health center's policy on issuing excuse notes. A note merely stating that you were at the SHC is not acceptable. Original documentation of a visit to the emergency room will also be accepted. Without a Doctor's note, a student will receive a zero for assignments that are turned in late. Without a Doctor's note, a student will receive a zero for missing a test. This course has field activities that cannot be made up regardless of the reason for the absence.

Academic Honesty:

On all work submitted for credit by students at the university, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean or Student Honor Court.

It is assumed all work will be completed independently unless the assignment is defined as a group project, in writing by the instructor. This policy will be vigorously upheld at all times in this course. Submitting work by others, whether in parts or in whole, is plagiarism. All UF parties involved will be reprimanded if evidence of plagiarism occurs. Be sure to review UF's rules on plagiarism. Plagiarism is cheating and may carry additional penalties due to copyright violations. You may not publish any course materials online for profit or any other reason. Most penalties are still applicable retroactively even after graduation. <https://www.dso.ufl.edu/scr/process/student-conduct-honor-code/>

Services for Students:

Services for Students with Disabilities: The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues.

001 Reid Hall, 392-8565, www.dso.ufl.edu/drc/

For more information regarding your rights as a student, please visit:

<http://www.dso.ufl.edu/studentguide/studentrights.php>

UF Counseling Services and On-Campus Resources:

The Counseling and Wellness Center provides confidential counseling services at no cost for currently enrolled students. Student Mental Health Services has been consolidated with the CWC.

University Counseling and Wellness Center, 3190 Radio Road, 392-1575,

<http://www.counseling.ufl.edu/cwc/>

Career Resource Center, CR-100 JWRU, 392-1602, www.crc.ufl.edu/

Lecture/Lab Schedule: to be provided in a separate document.