Principles of Marine Biology: BSC 3312-SL
Spring 2019

Lecture: Tuesday and Thursdays from 12:00 to 1:15 PM in Biology Building, Room 209

Instructor: Dr. Linda Walters
Office: Biology 401C **Office Phone**: 407-823-2148 **E-mail**: linda.walters@ucf.edu
Family Cell Phone for emergencies: 407-443-6943 (sometimes my husband Paul answers)

Web Site for Course: BSC 3312 on WebCourses. Site will house syllabus, course notes, etc.

Office Hours: Tuesday and Thursday: 10 – 11 AM or by appointment. If university business requires me to miss office hours (happens more than I like, unfortunately), please contact me and we can schedule to meet. Emailing me ahead of time to schedule appointment is best way to make sure I am available.

Teaching Assistant: Jessie Copertino (20 hr/wk)
Office: Biology 410 **Email:** jesscopertino@gmail.com
Office Hours: Monday: 10 – noon; Tuesday: 10 – 11:30; Thursday: 10 – 11:30 or by appointment

HIP Peer Coaches: Casey Craig (craig.casey2015@knights.ucf.edu), Carter Cook (carimc47@knights.ucf.edu), and Jessica Needham (jessica.needham@knights.ucf.edu)

Required Materials:

1) *The Extreme Life of the Sea*. Palumbi, S. and A. Palumbi. 2014. Princeton Press. ISBN 978-0691149561. (list price: $13.77)
2) *Don't be Such a Scientist*. Second Edition. Olson, R. 2018. Island Press. ISBN 978-1610919173 (list price: $13.59)

Recommended Materials:

1) PowerPoint lecture notes will be available on class web site. Lectures will be available shortly after class ends. Other materials (e.g. journal articles for class discussions) and announcements will also be posted on this site.

Classroom Conduct and Academic Honesty: Please understand that I expect you to completely abide by the UCF Golden Rule (http://goldenrule.sdes.ucf.edu). Breaking the Golden Rule in **any** way, including, but not limited to, cheating or intent to cheat on in-class or out-of-class exams/quizzes, submitting assignments that are not entirely your own work, or using materials borrowed from students from past classes will result in a ZF in the course and your name will be immediately submitted to the UCF Disciplinary Action Committee. No plagiarizing, no copying on assignments, no exceptions. Turnitin.com may be used at any time during the semester at my discretion.

Class Engagement and Attitude:
It is expected that everyone will regularly engaged in this class in a positive way. To encourage engagement, 10% of your grade will class participation. 3% will be for attending class and 7%

will be based on participation AND attitude. Disrupting the class, arriving late to class, rude behavior to the instructor or colleagues, sleeping in class, working on non-class materials on any electronic device during lecture, or otherwise causing problems will prevent you from receiving these points. Additionally, if the disruption is excessive, the Biology Department Chair will be brought in to assist with the situation. Regularly participating in all class activities and joining in meaningful class engagement will enable you to receive these points. Note that I take role most days.

Service-Learning Statement: This section of BSC 3312 is a UCF sanctioned service-learning class. Students will spend a minimum of fifteen hours over the course of the semester on a service-learning activity. This activity will address a need in our community, support our course objectives, involve a connection between the campus and the world around it, challenge students to be civically engaged, and involve structured student reflection. We'll spend time reflecting on our service-learning experience through class conversations and written reflection. While there is a 15-hour minimum for service to pass the course, your service-learning efforts will be the core of much of the learning in the course. Therefore, your grade will come from the tangible class-related projects that come out of it rather than simply from completion of the hour minimum.

Our service-learning work in this Marine Biology course will involve investigative research followed by a preparing materials for a presentation with hands-on activities that complement the research topic for a K-12 public school. **Some projects will be more research intensive while others will focus more on conservation and communication.** Overall, we are providing STEM content for the K-12 educator as well as the opportunity to engage younger audiences in science. This allows UCF students to work with a real world audience and will ensure that the significant time you put into your class project leads to meaningful results as well as improved science communication skills. I will provide access to the teachers/schools and Jessie will be the liaison with the teachers. Each group will be responsible for planning with Jessie/myself and the educator. If any student has a valid objection to a proposed service-learning project or placement, he or she must let me know during the first week of class or before the drop/add deadline so we can discuss options. All UCF students must register online to visit Orange/Seminole County classes – extra effort is involved if you have a police record.

Grading: There will be a total of 200 points available. 60 of these points are associated with lecture exams, 40 points are associated with quizzes/assignments, 20 points are based on participation, and 80 points will be associated with your group project. At the end of the semester, your total number of points will be added together and converted to a percentage. Grades for the semester will be awarded using the following +/- scale: A+ (100% or higher), A (92-99%), A- (90-91%), B+ (88-89%), B (82-87%), B- (80-81%), C+ (78-79%), C (72-77%), C- (70-71%), D+ (68-69%), D (62-67%), D- (60-61%), < 60% = F. There will be multiple extra credit opportunities, but no additional curving of grades. If you decide to drop this course, please remember to officially withdrawal from the class before 11:59 PM on March 20, 2019. There are no NC or WP grades in this class. Tests and quizzes can only be made up if the absence is excused (written documentation required from medical, police, university activity). Grades will be available on WebCourses and/or in class from instructor as soon as possible after exams have been given or assignments submitted. Late assignments will be graded as follows

(Saturdays and Sundays included): deduct 20% for up to 24 hours late from the start of the class in which the assignment was due, and an additional 20% of each additional day late up to 100%. There will be no credit if submitted more than 5 days late.

Point Values for Exams & Assignments (due dates):
Please note that all assignments are due at the start of class on the date listed. Late assignments will be graded as described above.

Exam 1 (February 5)	30 points
Exam 2 (March 7)	30 points
Research/Service-Learning Project	70 points
Research/Service Learning Reflection	10 points
In-Class Quizzes/Additional Assignments:	40 points
In-Class Participation (10% of grade):	20 points

Extra Credit:
Extra credit opportunities will occur both in lecture and outside of instruction hours. These points will be added on to your point total before calculating the final percentage grade. In lecture, there may be unannounced extra assignments. Helping with field research off-campus outside of class time will earn you up to 5 points each time (maximum extra points for research help for semester = 20 points). Helping with on-campus and community lab work/events for a minimum of 1 hour on each occurrence outside of class time will earn you 1 point each time (maximum extra points for outreach help for semester = 20 points). Note that helping for only a short time (less than 1 hr) at any event will not get you any extra credit, nor will showing up to help and then not engaging in the work effort. Going to marine-oriented scheduled seminars in Biology or other related events (1 hr or more) on campus or locally will get you 2 points on each occurrence (no limit); these will be announced in class. There will be additional unique opportunities from time to time.

Tentative Lecture Schedule (subject to change): Please note that test dates are firm. Tests will cover information covered in lecture by that time. Book chapter readings and journal articles will be announced prior to each class.

January 8: Syllabus
January 10: Introduction to Course, Course Material (Drop Deadline is January 10 at 11:59 PM)
January 15: Course Material
January 17: Career talk by Jessy Wayles (Marine Discovery Center), Course Material
January 22: Course Material
January 24: Course Material
January 29: Course Material
January 31: Course Material

February 5: Exam 1
February 7: No class, IRL Conference. Abstracts due for SURE on February 11.
February 12: Course Material
February 14: Course Material

February 19: Course Material
February 21: Course Material
February 26: Course Material
February 28: Course Material

March 5: Course Material
March 7: Exam 2
March 12 – 14 Spring Break – No classes!
March 19: Course Material (Withdrawal Deadline is March 20 at 11:59 PM)
March 21: Course Material
March 24 (Sunday): SL Abstract due
March 26: Course Material
March 28: Course Material

April 2: Prepare posters for Showcases
April 4: SURE Showcase from 9:30 – 11 AM (class projects) and noon – 5 PM (individual projects) in Pegasus Ballroom (required class meeting at showcase from noon – 1:15)
April 9: Course Material
April 11: Prepare poster for SL Showcase
April 16: Prepare poster for SL Showcase
April 17 (Wednesday): Service-Learning Showcase from 10 AM – 3 PM
April 18: Course Material

April 25 (Thursday): Final exam period from 10 AM – 12:50 PM in Biology 209

EXTRA CREDIT (unless your service-learning project): Research, Outreach & Field Prep
Oyster reef monitoring days and living shoreline days will occur in Canaveral National Seashore, Tomoka State Park, and De Soto National Memorial. You need to organize your own carpool most dates (may be able to coordinate with students already in my lab). Oyster and some living shoreline days have limited space so you must email Dr. Walters to sign up and receive confirmation. Not showing up once signed up will result in -5 points (unless emergency or replacement person found). Dates with "all available" written require no rsvp – please show up at the listed time. More opportunities will be added to list. Must sign in when arrive.

Saturday, February 2: 9:00 AM – noon: Oyster Shell-bagging Olympics at Marine Discovery Center in New Smyrna Beach. No rsvp needed.

Sunday, March 24: 9:00 – noon: Living shoreline stabilization at Tomoka State Park in Ormond Beach. No rsvp needed.

Building 92 on campus (Biology Field Building) for mangrove care and oyster mat repair:
Wednesday January 16th from 5 PM – 7 PM
Thursday, January 31 from 9 AM – 11 AM
Wednesday, February 13 from 5 PM – 7 PM
Thursday, March 21 from 9 AM – 11 AM
Wednesday, April 3 from 5 PM – 7 PM Thursday, April 11 from 9 AM – 11 AM