

## Invertebrate Zoology, ZOO 3205C, Fall Semester 2017

### Course & Instructor Details

4 credits
Prerequisites BSC 1010 + 1011
T/TH 11:00 to 12:15PM Lab Tues/Thursday 1-350
Biscayne Bay Campus
Lecture: MSB 150 All Lab Section MSB 220A or B

TA: Robert Ditter Office MS 250N Office Hours TBA
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Dr. Heather Bracken Grissom Marine Biology Office MSB 353
Office Hours M/TH 12:30- 2pm
305-919-4190

**Course Description:** This course will provide undergraduate students in depth and comparative knowledge of the evolution, development, and form and function of the invertebrates. To enroll students must have previously completed BSC1010, BSC1011, with a grade of C or better.

**Required Text:** *Biology of the Invertebrates, 2014 7th Edition, by Jan A. Pechnik*

(you can rent, or buy this book, ebook or hardcopy is fine)

SBN-13: 978-0073524184

ISBN-10: 0073524182

Note: If you want to purchase the 2009 edition, fine, but pay attention to the changes in classification!

**Course Grading Policy:** Grades will be based on the following:

1. Participation Points 10%
2. Problem Sets/HW Assignments 5%
3. Final Assignment (Oral Presentation) 15%
4. Exam 1 15%
5. Exam 2 15%
6. Exam 3 15%
7. final exam 25%

### **Grading system**

**A: 94-100%, A-: 90-93% B+: 87-89% B: 84-86% B-: 80-83%**

**C+: 77-79% C: 74-76% C-: 70-73% D+: 67-69% D: 64-66% D-: 60-63%**

**F: <60%**

A student who earns a failing grade based on the total number of points and fails to complete at least 60% of the course requirements will receive a grade of F (F zero). A grade of IN (Incomplete) will only be given in extremely rare circumstances where unusual circumstances occur after the Drop date (see below).

## **Course Website: Blackboard 3205C**

Courses materials (schedule details/updates, lecture notes, additional materials, and quiz, problem) will be available on the website. PDFs of each powerpoint will be put up after each lecture. You can also check your grades here.

### General Course Policies

1. Attendance: Students are expected to come to every class, arrive on time and arrive having learned the material for the week by class time. This class follows standard FIU policy regarding student absence for sickness, religious observations, etc.
2. Plagiarism/Academic Honesty: Students are always expected to abide by the university's policies, particularly those governing academic honesty and plagiarism as they appear in the FIU Student Handbook. Students not familiar with how to avoid plagiarism, will find links to the FIU library tutorials and information in week one of the on-line materials. Additionally, if a student work cites data, research or information that he or she has not generated and which is not general knowledge it must be cited appropriately following one of the disciplinary conventions of the academic disciplines represented by the faculty teaching this course. More information about citation formatting will be provided via Blackboard. Students must become completely familiar with bibliographic styles and citation conventions. If others' work is not cited adequately by a student he or she can be accused of plagiarism, accusations FIU takes very seriously. The instructor reserves the right to use turnitin.com to check work and to alter the syllabus if needed to deter plagiarism. You will be notified of any changes.
3. Personal Electronics.: Cell phones, PDAs, MP3 players, or computers may be used in class only when allowed by the teachers for class-related activities specifically, not for personal use and amusement.
4. Special Needs Students: SNSs should notify the instructor prior to or immediately upon commencement of this course about accommodation needs in accordance with FIU policy.
5. Incomplete Grades: An incomplete grade is a temporary symbol given at the discretion of the instructor for work not completed because of serious interruption not caused by the student's own negligence. An incomplete grade must be made up as quickly as possible, but no later than two consecutive semesters or it will automatically default to the grade the student earned in the course. There is no extension to the two consecutive semester deadline. The student must not register again for the course to make up the incomplete. In order to receive an incomplete for this class, valid documentation must be provided for the reason the student is requesting the incomplete. The reason, again, must be out of the student's control.
6. Questions and Complaints: If a student has a question about the class material, assignment, or other requirement, he or she may call and make an appointment ahead of time. Failure to meet this deadline indicates the student's agreement with the grade received. Instructors' office hours and email contacts will be available and kept up to date.

7. Syllabus Changes:

**Please note that the instructor reserves the right to alter the syllabus due to need and emergent circumstances. Students will be advised about any change made to the syllabus, but should also check the website for updates.**

Weekly Schedule:

Date	Day	Topic	Reading	Homework
WEEK 1	Tues	Intro	Ch 1 & 2	
	Thur	Poriferans/Placozoans	Ch 2 and 4	
WEEK 2	Tues	Cnidarians	Ch 5,6	Cnidaria HW/turn in next class if needed
	Thur	Cnidarians & Ctenophora	Ch 6,7	Assign Problem Set 1: Compare Activity
WEEK 3	Tues	Ctenophora		
	Thur	<b>Exam 1</b>	Chs 1, 2, 4, 5, 6, 7	Problem Set #1 Due
WEEK 4	Tues	Platyhelminthes	Ch 8, 16	Assign Problem Set 2: Life Cycle Activity
	Thur	Nematodes & Relatives	Ch. 16, 17	Problem Set 2 Due and Assign Problem Set 3 (Make up Problems from Exam)
WEEK 5	Tues	Annelids	Ch 13	Problem Set #3 Due
	Thur	Annelids/Lesser annelids	Ch 13	
WEEK 6	Tues	Molluscs (Gastropods)	Ch 12	
	Thur	Molluscs (Bivalves)	Ch 12	
WEEK 7	Tues	Molluscs (Cephalopods and Scaphopods)	Ch 12	
	Thur	<b>Exam 2</b>	Chs 8, 16, 17, 13, 12	
WEEK 8	Tues	Arthropods (Crustacea)	Ch. 14	Hand out final assignment/ Assign Problem Set #4: Redo Problems

	Thur	Arthropods (Chelicerata)	Ch 14	<b>GUEST LECTURE</b>
WEEK 9	Tues	Arthropods (Chelicerata) (Uriamia)	Ch 14	Problem Set #4 Due and Sign up for Final Assignment!
	Thur	Arthropoda and Phylogenetics (Decapoda)	Ch. 14 (Decapoda)	Assign Problem Set 5: Tree thinking exercise
WEEK 10	Tues	Onychophorans and Tardigrades	Ch 15	Problem Set 5: Due
	Thur	Echinoderms 1	Ch 20	Assign Problem Set #6: Paragraph on Adaptation
WEEK 11	Tues	Echinoderms 2	Ch 20	Problem Set #6 Due
	Thur	<b>Exam 3</b>	<b>Chs 14,15, 19, 20</b>	<b>FIELD TRIP TO Rookery Bay?</b>
WEEK 12	Tues	Lophophorates and Entoprocts	Ch 19	<b>Work on Presentation</b>
	Thur	Hemichordates, Urochordates	Chs 21,23	
WEEK 13	Tues	Final Assignment Projects	In class presentation	Presentation
	Thur	Final Assignment Projects	In class presentation	Presentation
WEEK 14	Tues	Final Assignment Projects	In class presentation	Presentation
	Thur	<b>HOLIDAY NO CLASS</b>	<b>GOBBLE DAY!</b>	<b>GOBBLE DAY!</b>
WEEK 15	Tues	Final Assignment Projects	In class presentation	Presentation
	Thur	Review in Class		
WEEK 16	TBA	<b>Final 50% Ch 21, 23, 22, final assignments &amp; 50% other</b>	Chps all assigned	

Lab schedules will be handed out first day of class but will follow same order as in lecture