

**Invertebrate Biodiversity – ZOO 4205C &
Advanced Invertebrate Zoology – ZOO 6927
Spring 2023 - Syllabus**

Instructor: Gustav Paulay
office hours – by appointment

TA: Jessie Whelpley, Mackenzie Smith
office hours – by appointment

Lectures: in person, Tue & Th, periods 2-3 (8:30-10:25 am), BAR 211

Labs: CRR 120, Tue periods 8-10 (3-6 pm), periods 11-E2 (6:15-9:10 pm), Wed periods 5-7 (11:45 am-2:45 pm), periods 8-10 (3-6 pm)

Prerequisites: BSC2010 & 2011; PCB 4674 (Evolution) is recommended

Text / Materials:

- strongly recommended: Brusca RC et al 2016. Invertebrates. 3rd Edition. Sinauer. Alternate: Ruppert EE, Fox RS, Barnes RD. 2004/2009. Invertebrate Zoology; a Functional Evolutionary Approach. 7th Edition. Brooks/Cole or Cengage Learning
- recommended: Ruppert EE, Fox RS. 1988. Seashore animals of the southeast. U South Carolina Press
- Color pencils, good drawing paper, dissecting kit (forceps, scissors, scalpel, dissecting needle)

Field trips: We plan to have four days of field trips. You are expected to partake in at least two days of field activities (for 8% of course credit) but can come to all if space allows. Space will be limited on some field trips, so sign up early.

ZOO 6927: optional lab material for IZ is required for AIZ; potential extra lectures and readings; biodiversity project.

Grading Policy: ZOO 4205C: mid term and final exams (20%X2); three lab practicals (12%X3; held in evening), lab notebook (8%), quiz (8%), field trip participation (8%). None of the exams will be cumulative, but some knowledge from prior sections of the course may be needed to effectively answer questions. **ZOO 6927:** Project: 15%, remaining 85% divided in same proportion as for 4205C.

Final Exam: May 3, 3-5 pm

Grading Scale: (minimum grade; grading will be on a curve, with grade cutoffs usually adjusted downward)
90-100% = A; 80-89.9% = B; 70-79.9% = C; 60-69.9% = D; <60% = E

Date	Lectures	Labs
Jan 10, T	Introduction, functional systems	
Jan 12, Th	Functional systems	
Jan 17, T	Functional systems, Porifera	Porifera
Jan 19, Th	Porifera; quiz	
Jan 21, Sat	Field trip to Cedar Key, 6 am – 12 noon	
Jan 24, T	Placozoa, Cnidaria	Medusozoa
Jan 26, Th	Cnidaria	
Jan 31, T	Cnidaria	Anthozoa
Feb 2, Th	Ctenophora, Platyhelminthes	
Feb 7, T	Platyhelminthes	Ctenophora, Platyhelminthes
Feb 9, Th	Nematoda, Rotifera	Lab exam
Feb 14, T	Annelida	Worm phyla
Feb 16, Th	Annelida	

Feb 19, Sun	Field trip to Cedar Key, 6 am – 12 noon	
Feb 21, T	Mollusca	Annelida
Feb 23, Th	Mollusca	
Feb 28, T	MIDTERM	Polyplacophora, Gastropoda
Mar 2, Th	Mollusca	
Mar 7, T	Mollusca, Onychophora	Bivalvia & Cephalopoda
Mar 9, Th	Arthropoda: intro	Lab exam
Mar 14, T	SPRING BREAK	
Mar 16, Th	SPRING BREAK	
Mar 21, T	Arthropoda, Chelicerata, Branchiopoda	Arthropoda
Mar 23, Th	Crustacea	
Mar 28, T	Crustacea	Malacostraca
March 30, Th	Crustacea	
Apr 1, Sat	Field trip Alachua county waters, 8 am - 12 noon	
Apr 4, T	Myriapoda, Crustacea	Crustacea & Insecta
Apr 6, Th	Insecta, Phoronida	
Apr 11, T	Brachiopoda, Bryozoa	Lophophorates, Chordata
Apr 13, Th	Chordata	
Apr 16, Sat	Field trip to Matanzas, 10 am – 4 pm	
Apr 18, T	Chordata, Echinodermata	Echinodermata
Apr 20, Th	Echinodermata	Lab exam
Apr 25, T	Echinodermata	

Attendance and make-ups

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

If you are experiencing COVID-19 symptoms ([click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).

Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. Refer to the above link for more information on the university's attendance policy.

Accommodations

Students who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available

at gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results/.

Academic Integrity

“UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honorcode/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Resources Available to Students

Health and Wellness

- *U Matter, We Care*: umatter@ufl.edu; 392-1575
- *Counseling and Wellness Center*: <http://www.counseling.ufl.edu/cwc/Default.aspx>; 392-1575
- *Sexual Assault Recovery Services (SARS)*: Student Health Care Center; 392-1161
- *University Police Department*: <http://www.police.ufl.edu/>; 392-1111 (911 for emergencies)

Academic Resources

- *E-learning technical support*: Learningsupport@ufl.edu; <https://lss.at.ufl.edu/help.shtml>; 352-392-4357 (opt. 2)
- *Career Resource Center*: Reitz Union; <http://www.crc.ufl.edu/>; 392-1601
- *Library Support*: <http://cms.uflib.ufl.edu/ask>
- *Teaching Center*: Broward Hall; 392-2010 or 392-6420
- *Writing Studio*: 302 Tigert Hall; <http://writing.ufl.edu/writing-studio/>; 846-1138

Procedure for Conflict Resolution

Any classroom issues, disagreements or grade disputes should be discussed first between the instructor and the student. If the problem cannot be resolved, please contact the Undergraduate Coordinator or the Department Chair. Be prepared to provide documentation of the problem, as well as all graded materials for the semester. Issues that cannot be resolved departmentally will be referred to the University Ombuds Office (<http://www.ombuds.ufl.edu/>; 392-1308) or the Dean of Students Office (<http://www.dso.ufl.edu/>; 392-1261). For further information refer to https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf (for residential classes) or <http://www.distance.ufl.edu/student-complaintprocess> (for online classes).