

Department Name and Number \_\_\_\_\_

Recommended SCNS Course Identification

Prefix \_\_\_\_ Level \_\_\_\_ Course Number \_\_\_\_ Lab Code \_\_\_\_

Course Title (please limit to 21 characters) \_\_\_\_\_

Effective Term and Year \_\_\_\_\_ Rotating Topic  yes  no

Amount of Credit \_\_\_\_ Contact Hour: Base \_\_\_\_ or Headcount \_\_\_\_ S/U Only  yes  no

Repeatable Credit  yes  no If yes, \_\_\_\_ total repeatable credit allowed

Variable Credit  yes  no If yes, \_\_\_\_ minimum and \_\_\_\_ maximum credits per semester

Course Description (50 words or less)

  
  
  
  
  
  
  
  
  
  

Prerequisites	Co-requisites
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Degree Type (mark all that apply)  Baccalaureate  Graduate  Professional  Other \_\_\_\_\_

Category of Instruction  Introductory  Intermediate  Advanced

Rationale and place in curriculum

  
  
  
  
  
  
  
  
  
  

Department Contact	Name	Phone	Email
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College Contact	Name	Phone	Email
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**Invertebrate Biodiversity – ZOO 4XXXC  
Syllabus**

**Course Description:**

Comparative biology of invertebrates, emphasizing morphology, evolution, ecology, and life history

**Instructor:** Gustav Paulay (Dickinson 238)  
office hours – by appointment anytime

**TAs:** Nat Evans (Dickinson 254),  
Francois Michonneau (Dickinson 353);  
office hours – TBA

**Lectures:** TBA (three periods per week) BARTRAM 211

**Labs:** Tue or Th, periods 7-9 (1:55-4:55) or Th, periods 10-E1 (5:10-8:10) CARR 120

**Prerequisites:** BSC2010 & 2011 with a C or better. PCB 4674 (Evolution) recommended.

**Text / Materials:**

- strongly recommended: Brusca, R.C. & G.J. Brusca. 2003. Invertebrates, 2nd Ed. Sinauer Associates, Sunderland, MA. ISBN: 0878930973 / 9780878930975
- recommended: Rupperts, E. E. & R. S. Fox. 1988. Seashore animals of the southeast. University of South Carolina Press, Columbia SC.
- Color pencils, good drawing paper, dissecting kit (scissors, scalpel, dissecting needles, forceps)

**Field trips:** We plan to have four days of field trips. Three are intertidal trips, one is a dredging trip; each will be on a weekend day. 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.

**Attendance Policy:** Attendance is mandatory. Quizzes or labs that are missed due to *excused absence* will be dropped and will not affect your grade. An absence is considered *excused* if there is an *acceptable reason* according to UF policy (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>). Examples of acceptable reasons are medical illness, religious holidays, military obligation, and the twelve-day rule. It is your responsibility to notify your TA of an excused absence and to provide documentation of an acceptable reason. Otherwise, the absence will be considered *unexcused* and will result in a quiz or lab grade of zero. Whenever possible, your TA should be notified prior to the absence. When this is not possible (e.g., due to unexpected emergency or illness), your TA should be notified as soon as possible.

<b>Date</b>	<b>Lectures</b>	<b>Labs/Field trips</b>	<b>Readings in Brusca</b>
Jan 6, T	Introduction, functional systems I		Ch.1:1-15; Ch.3,4:93-102. Optional: rest of Ch.1,4; Ch.2
Jan 11, T	Functional systems II	Porifera	Ch.1:1-15; Ch.3,4:93-102. Optional: rest of Ch.1,4; Ch.2
Jan 13, Th	Porifera	Porifera	Ch. 6
Jan 18, T	Functional systems III	Medusozoa	Ch.1:1-15; Ch.3,4:93-102. Optional: rest of Ch.1,4; Ch.2
Jan 20, Th	Placozoa, Cnidaria; <b>Quiz</b>	Medusozoa	Ch. 8, 7:209-210
Jan 25, T	Cnidaria	<b>* Sat: IT field trip: Cedar Key</b> Anthozoa	Ch. 8
Jan 27, Th	Cnidaria	Anthozoa	Ch. 8
Feb 1, T	Ctenophora,	Ctenophora, Platyhelminthes	Ch. 9, 10

Feb 3, Th	Platyhelminthes Platyhelminthes	Ctenophora, Platyhelminthes	Ch. 10
Feb 8, T	Nematoda, Rotifera	Worm phyla, <b>Lab Practical in eve</b>	Ch. 12:338-345;351-362
Feb 10, Th	Annelida	Worm phyla, <b>Lab Practical in eve</b>	Ch. 13
Feb 15, T	Annelida	Annelida, Polyplacophora	Ch. 13
Feb 17, Th	MIDTERM	Annelida, Polyplacophora <b>* Sat: IT field trip: Cedar Key</b>	
Feb 22, T	Mollusca	Gastropoda	Ch. 20
Feb 24, Th	Mollusca	Gastropoda	Ch. 20
Mar 1, T	Mollusca	Bivalvia, Cephalopoda	Ch. 20
Mar 3, Th	Mollusca, Onychophora	Bivalvia, Cephalopoda	Ch. 20
Mar 8, T	<b>Spring Break</b>	<b>Spring Break</b>	
Mar 10, Th	<b>Spring Break</b>	<b>Spring Break</b>	
Mar 15, T	Arthropoda: intro	Onychophora, Trilobita, Chelicerata, Myriapoda, intro to Crustacea	Ch. 15
Mar 17, Th	Arthropoda: intro	Onychophora, Trilobita, Chelicerata, Myriapoda, intro to Crustacea <b>* Sun: IT field trip: Whitney Lab</b>	Ch. 15
Mar 22, T	Chelicerata, Myriapoda	Malacostraca diversity, crab dissection, <b>Lab Practical in eve</b>	Ch. 17, 18
Mar 24, Th	Crustacea	Malacostraca diversity, crab dissection, <b>Lab Practical in eve</b> <b>* Sat: FW field trip</b>	Ch. 16
Mar 29, T	Crustacea	Crustacea diversity & Insecta	Ch. 16
Mar 31, Th	Insecta, Phoronida	Crustacea diversity & Insecta	Ch 19, 21
Apr 5, T	Brachiopoda, Bryozoa	Lophophorates, Chordata	Ch. 21
Apr 7, Th	Chordata	Lophophorates, Chordata	Ch. 23
Apr 12, T	Chordata, Echinodermata	Echinodermata	Ch. 23, 22
Apr 14, Th	Echinodermata	Echinodermata	Ch. 22
Apr 19, T	Echinodermata		Ch. 22
Apr 21, Th	READING PERIOD		

**Grading Policy:** 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.

**Make-up Exam Policy:** Make-up exams will only be given for exams that are missed due to unavoidable schedule conflicts or extraordinary unforeseen circumstances (e.g., medical emergencies).

- **Schedule conflict:** If you cannot take the in-class exam due to an unavoidable schedule conflict, you should notify your instructor at least two weeks prior to the in-class exam, or as soon as possible.
- **Unforeseen circumstances:** If you miss an in-class exam due to extraordinary unforeseen circumstances (e.g., medical emergencies), you must notify your instructor as soon as possible, and you must provide

documentation of the circumstances that prevented you from taking the exam. Essay exams due to unforeseen circumstances will be scheduled as soon as possible after the in-class exam.

### Grading Scale

Point Range (%)	Letter Grade	GPA equivalent
≥ 90.00	A	4.0
86.7 – 89.9	A-	3.67
83.3 – 86.6	B+	3.33
80.0 – 83.2	B	3.0
76.7 – 79.9	B-	2.67
73.3 – 76.6	C+	2.33
70.0 – 73.2	C	2.0
66.7 – 69.9	C-	1.67
63.3 – 66.6	D+	1.33
60.0 – 63.2	D	1.0
56.7 – 59.9	D-	0.67
< 56.7	E	0

Note that a “C-“ will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

### Students with Special Needs

Students who will require a classroom accommodation for a disability must contact the Dean of Students Office and request proper documentation. Upon bringing that documentation to the Instructor, the student will be given the appropriate accommodations. No accommodations are available to students who lack this documentation. It is the policy of the University of Florida that the student, not the instructor, is responsible for arranging accommodations when needed. The instructor will not remind the student to schedule accommodations prior to each quiz or exam. If you require extra time for in-class work, you must initiate this request at least seven days before the exam or quiz. Please see the University of Florida Disability Resources website for more information at: <http://www.dso.ufl.edu/drp/services/>.

### UF Counseling Services

- Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
  - UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services.
  - Career Resource Center, Reitz Union, 392-1601, career and job search services.
- Many students experience test anxiety and other stress related problems. “A Self Help Guide for Students” is available through the Counseling Center (301 Peabody Hall, 392-1575) and at their web site: <http://www.counsel.ufl.edu/>.

### Academic Honesty

All students are expected to hold themselves to a high standard of academic honesty. It is normal and reasonable for students in a laboratory course to work together on ungraded homework; however, students must work alone on all graded assignments (tests, quizzes, exams). Giving or receiving any unauthorized assistance during such an assignment will be treated as a deliberate violation of the UF Academic Honesty policy. This will result in a failing grade and can lead to dismissal from the university. Partial or total plagiarism on any written assignment is regarded as an especially flagrant form of dishonesty. If you are aware of a climate that promotes academic dishonesty, please notify the instructor or contact the Student Honor Court (392-1631) or the Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Academic Honesty Guidelines at: <http://www.dso.ufl.edu/judicial/procedures/academicguide.html>.

# Course Overview

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To facilitate review of your course proposal, please provide the following information:

Prefix: \_\_\_ \_\_\_ \_\_\_ Number: \_\_\_ \_\_\_ \_\_\_ Title: \_\_\_\_\_

Catalog Course Description: *maximum of 500 characters (including spaces), must match description provided in the UCC1 form. Aim for a style commensurate with other descriptions in the catalog.*

Place in the Curriculum: *(What is the role of this course in overall program? Will it satisfy requirements for a major or minor? Is it intended primarily for major or minor? Is it replacing a course, or a response to a change in major or minor requirements?)*

Meets a total of \_\_\_\_\_ hours each week for the duration of the semester. (If not for entire semester, please explain)

Grading weights: (what percentage of the grade comes from each exam, report, presentation, and so on; whatever elements constitute the final course grade)

\_\_\_ % of the final grade comes from \_\_\_\_\_ (requirement)

\_\_\_ % of the final grade comes from \_\_\_\_\_ (requirement)

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\_\_\_ % of the final grade comes from \_\_\_\_\_ (requirement)

\_\_\_ % of the final grade comes from \_\_\_\_\_ (requirement)

Texts required (if any) including authors, title, year, publisher:

## List of topics

Week	Topic
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All UCC1 forms and each UCC2 form that proposes a change in the course description or credit hours must include this checklist in addition to a complete syllabus. Check the box if the attached syllabus includes the indicated information.

Syllabus MUST contain the following information:

- Instructor contact information (and TA if applicable)
- Course objectives and/or goals
- A topical outline (at least tentative) of subjects to be covered
- Required and recommended textbooks
- Methods by which students will be evaluated and their grades determined
- Policy related to class attendance
- Policy related to make-up exams or other work
- Statement related to accommodations for students with disabilities
- Information on current UF grading policies for assigning grade points

It is recommended that syllabi contain the following information:

1. Critical dates for exams and other work
2. Class demeanor expected by the professor (e.g., tardiness, cell phone usage)
3. UF's honesty policy
4. Contact information for university counseling and mental health services

The University's complete Syllabus Policy can be found at:

<http://www.aa.ufl.edu/policy/SyllabiPolicy.pdf>