

**GENERAL ZOOLOGY (BIOL 2270),
Fall 2009
SYLLABUS & COURSE POLICIES COMMENTS**

This syllabus is tentative and subject to change. If changes are made they will be announced in class or lab and posted in my web pages for BIOL 2270.

Class Schedules

CRN	Course, Section	Day(s) and Activity	Time	Location
80340	BIOL 2270 A	MWF; Lecture	9:00 am-9:50 pm	BC 1023
		Tuesday; Laboratory	8:00 am-10:50 am	BC 1047
80341	BIOL 2270 B	MWF; Lecture	11:00 am-12:15 pm	BC 1023
		Tuesday; Laboratory	2:00 pm-04:50 pm	BC 1047
80342	BIOL 2270 C	MWF; Lecture	11:00 am-12:15 pm	BC 1023
		Wednesday; Laboratory	01:00 am-3:50 am	BC 1047

Objectives

1. To develop an appreciation for the diversity of animals found on the earth.
2. To develop an appreciation for the evolutionary origins and the resultant phylogenetic relationships of animals.
3. To develop an understanding of the structure and function of animals and how their structure allows them to interact with the environments they are associated with.
4. To develop an appreciation for the diversity of behavioral, ecological and reproductive processes engaged in by the various taxa of animals.

Textbooks

- Integrated Principles of Zoology 14th ed. 2006. Hickman, Roberts, Larson, P'Anson and Eisenhour. McGraw Hill Academic Press. 882 pg. (ISBN 978-0-07-297004-3).
- General Zoology Laboratory Guide 14th ed. 2005. Lytle & Meyer. 372 pg. (ISBN 0-07-234900-X)

Lecture and General Course Comments

Tentative Lecture Schedule

Topics and Tests	Chapters and Assigned Readings
Zoological Principles, Evolution	Chap 1, 2, 6; Pgs 14-18, 26-33, 103-127 14 TH Ed. Pgs 1, 2, 10, 26-33, 102-127
Principles of Development	Chap 8; Pgs 151-162; 14 TH Ed. Pgs 157-171
Animal Architecture	Chap 9; Pgs 178-188; 14 TH Ed. Pgs 176-189
Classification	Chap 10; Pgs 193-206; 14 TH Ed. Pgs 190-204
Test 1 (Date to be announced)	
Protzoans,	Chap 11; Pgs 210-236; 14 TH Ed. Pgs 207-231
Mesozoa, Parazoa	Chap 12; Pgs 239-242; 14 TH Ed. Pgs 233-245
Radiate Animals	Chap 13; Pgs 253-279; 14 TH Ed. Pgs 247-272
Acoelomate Bilateral Animals	Chap 14; Pgs 282-301; 14 TH Ed. Pgs 274-293
Pseudocoelomate Animals	Chap 15; Pgs 304-321; 14 TH Ed. Pgs 295-314
Test 2 (Date to be announced)	
Molluscs	Chap 16; Pgs 325-352; 14 TH Ed. Pgs 316-343
Segmented Worms	Chap 17; Pgs 355-370; 14 TH Ed. Pgs 345-362
Arthropods	Chap 18; Pgs 373-383; 14 TH Ed. Pgs 364-375
Aquatic Mandibulates	Chap 19; Pgs 386-404; 14 TH Ed. Pgs 377-396
Terrestrial Mandibulates	Chap 20; Pgs 407-434; 14 TH Ed. Pgs 397-424

Smaller Protostome Phyla	Chap 21; Pgs 438-450; 14 TH Ed. Pgs 426-441
Echinoderms & Hemichordates	Chap 22; Pgs 454-476 ; 14 TH Ed. Pgs 442-464
Test 3 (Date to be announced)	
Chordates	Chap 23; Pgs 480-495; 14 TH Ed. Pgs 467-483
Fish,	Chap 24; Pgs 498-524; 14 TH Ed. Pgs 486-512
Amphibians & Movement onto Land	Chap 25; Pgs 527-532; 14 TH Ed. Pgs 514-532
Reptiles & Amniotic Origins	Chap 26; Pgs 547-565; 14 TH Ed. Pgs 534-552
Birds	Chap 27; Pgs 568-591; 14 TH Ed. Pgs 555-580
Mammals	Chap 28; Pgs 595-617; 14 TH Ed. Pgs 582-608
Final 10 Dec 09, 8:00 am-12:15 pm	

The above syllabus is designed to coincide as closely as possible with your laboratory schedule; however, exact concurrence is not completely possible. Primary emphasis on tests will be placed on the notes given in class, but questions on the tests will also come directly from the book. It is important that you read the material in the text associated with the class notes to enhance your understanding. Note also that class notes will be close to the sequence in the text, but will not always follow the same format or sequence as the text.

Testing: Tests will be multiple choice and worth 100 points. The final will be comprehensive, approximately 50% over old material and 50% over untested material and will be equivalent to two regular tests (200 points). The final will be matching and/or multiple choice.

<u>Tests</u>	<u>Chapters Covered</u>	<u>Date</u>
1	1-10	to be announced
2	11-15	to be announced
3	16-22	to be announced.
Final	23-28 + 1-22	Thursday, 10 Dec 09, 8:00 am-12:15 pm

At least one week prior to lecture tests 1, 2, and 3 the date of the test will be announced.

Computing Course Grades

To determine your grade for more than one test determine the averages of your lecture and laboratory. To determine your grade for the course, calculate your averages for the lecture portion and for the laboratory portion of the course. Then, multiply the lecture average by 0.75 (equals 75%) and the laboratory average by 0.25 (equals 25%). Finally, add the two resulting values together.

$$\text{Course Grade} = (\text{lecture average} \times 0.75) + (\text{lab average} \times 0.25)$$

Missed Tests

If you miss a lecture test you must come and see me at your first opportunity to set up a time to make up the test. Make-up tests will be essay and will consist of a minimum of one question per chapter.

Cheating: Anyone caught cheating on a test will receive an automatic "F" for the course.

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Laboratories

Tentative Lab Schedule

(This is the order in which we will cover topics and fieldtrips taken.)

Week of	TOPIC	CHAPTERS
17 Aug	Introduction, Systematics, Morphology & Development	1, 4, 5
24 Aug	Protozoa	6
31 Aug	Porifera and Cnidaria	7, 8
7 Sept	Platyhelminthes and Pseudocoelomates	9, 10
14 Sept	LAB EXAM I	
21 Sept	Mollusca	11
28 Sept	Annelida	12
5 Oct	Arthropoda	13
12 Oct	Arthropoda	13
26 Oct	LAB EXAM II	
2 Nov	Echinodermata and Hemichordata, Chordata II	14, 15
9 Nov	Echinodermata and Hemichordata, Chordata III	16, 18, 20
16 Nov	Rat Dissection	16, 18, 20
30 Nov	LAB EXAM III	

Laboratory Handouts and Notes: Supplemental handouts on the laboratory exercises will be passed out in class during the semester and notes placed on the board. The handouts and notes will advise you on laboratory activities and events you will need to act on or be aware of to properly execute laboratory exercises.

Laboratory supplies: A set of specimens (clam, earthworm, crayfish, starfish, frog and rat) to be shared by two students will be provided. Other materials will be provide as needed.

Laboratory Testing Schedule: Laboratory testes will only be given on Wednesdays (28 September and 30 November 05). Section C will take the test at 8:00 on these days, Section A at 10:00 am, and Section B at 1:30 pm.

Laboratory Grades: Laboratory grades will consist of two laboratory test grades and the zoology grade. The laboratory grade will be computed as follows.

$$(\text{Test 1} + \text{Test 2} + \text{Test 3})/3$$

Laboratory Access: A list of students enrolled in the course will be posted on the door to room BC 1047. Use of this lab for study is permitted except when other classes are scheduled or exam materials are being prepared. However, Campus Safety will not open the door unless you have proper identification. **For safety reasons, consumption of food or beverages is not permitted in the lab at any time.**

General Information

Food and Drinks: Food and drinks are not allowed in the classrooms and teaching laboratories in this building. This is primarily a safety precaution and will be enforced.

Disabled Students: Students requiring classroom accommodations or modifications because of documented disabilities should discuss their needs with me at the beginning of the semester. Students requesting classroom accommodations or modifications because of a documented disability must contact the Access Office for Students with Disabilities located in room 1115 Nevins Hall. The phone numbers are 245-2498 (voice) and 219-1348 (tty). Students can access the following web page (<http://www.valdosta.edu/access/Resources.shtml>) form more information.

Buckly Amendment or Privacy Act: It is illegal to release to others personal information about an individual. Therefore, grades, averages, and other personal information about an individual will not be released to anyone but that individual, posted, sent by e-mail or given over the phone.

Class Attendance and Behavior: When I am lecturing, I expect students to behave themselves and maintain silence; however, your questions are encouraged. Students who repeatedly make noise and disrupt the class will be removed from the class and if necessary dropped from the course. You are now preparing for your future, and successful completion of this course may determine your future job prospects. Class disruption is rude and inconsiderate of others who are trying to learn. Therefore, good behavior in class is expected, for you are now an adult and you should behave as such.

While class attendance is not formally taken each period, I will note when individuals are absent, and if absences are excessive I reserve the right to administratively drop a student from the course. It is your responsibility to attend class regularly, arrive on time and get the notes and assignments as presented in class.

Cell phone use in class is not permitted, and they must be turned off.

Important Dates

7 September 09	Labor Day Holiday
8 October 09 *	Midterm, last day to drop with a grade of "W"
19, 20 October 09	Student Fall Break
25-27 November 09	Thanksgiving Holiday

*No one will be dropped after the last drop date unless there are extenuating circumstances beyond your control.

General Information:

Office: Room BC 2030.

Office: Phone: 293-6063

Generally, I will be available 30 minutes after class for consultation. Other times can be arranged by appointment or you can take your chances and just drop by to see if I am in the office. I frequently have meetings in the afternoon so this time period will not be a good time for you to try and see me. Please do not call me at home. Once I leave the office and go home, my life belongs to my family and me. Other room where I might be found include Rm 1053 (Aquatic Lab) or Rm 2050 (research lab).