



Syllabus
ZOO 275 The Invertebrates
Winter 2010

Prerequisites: Biology 131 and 133.

Instructor : Dr. Carol Gibbons Kroeker
Office : A2156
Phone: 410-2000, ext 5910
Email: ckroeker@ambrose.edu

Texts : Biology of the Invertebrates, 6th ed.
Jan A. Pechenik
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Learning Objectives:

1. Students will gain a greater understanding of comparative invertebrate anatomy and physiology
2. Students will be able to discuss the evolutionary history, biological diversity and modern relationships between invertebrates
3. Students will learn dissection techniques in the laboratory essential to research in zoology-related fields.
4. Students will collaborate with peers in a laboratory setting

Mark Distribution :

2 Midterm Exams	40%
Lab Exams	25%
Final Exam	35%

This course consists of 3 hours of lectures per week, plus a 3-hour lab.

The midterm and final exam will be a combination of multiple choice questions, as well as short and long answer questions. While most questions will be based on lecture material, the textbook reading will absolutely help in the understanding of this material. Attendance at lectures will help ensure success on course exams and assignments.

<u>Dates</u> <u>Week of</u>	<u>Topic</u>	<u>Text Chapters</u>
Jan. 6	Introduction to Zoology 275 Invertebrate Diversity	1 2
Jan. 13	Protozoa	3

Jan. 20	Porifera	4
Jan. 27	Hydrostatic Skeletons // Cnidara	5,6
Feb. 3	Ctenophores / Midterm I	7
Feb. 10	Platyhelminthes	8
Feb. 17	Reading Week	
Feb. 24	Nemertines / Mollusca	11,12
Mar 3	Mollusca	12
Mar 10	Annelida / Midterm II	13
Mar 17	Arthropoda	14
Mar 24	Arthropoda / Nematodes	14, 16
Mar 31	Echinodermata	20
Apr. 7	Echinodermata / Lophophores	20, 19
Apr 14	Review / Final Lab Exam	

Laboratory Schedule

Attendance at the laboratory sessions is **COMPULSORY**. Any lab missed without a valid excuse cannot be made up. A valid excuse (such as illness, death in the family etc.) must be validated by written proof from a doctor or counselor. Lab coats are required for dissection labs. Labs will begin the week of January 14th. The dissection work will include several invertebrate classes – starfish, sea urchins, sand dollars, squid, parasite worms, several insect classes, as well as some mollusks.

There will be no lab reports for this course – your lab work will be graded with 4 lab exams.

Grading Scheme

A	90-100%	C	63-66%	
A-	85-89%	C-	60-62%	
B+	80-84%	D+	54-59%	B
76-79%		D	50-53%	
B-	70-75%	F	Below 50%	
C+	67-69%			