

Instructor:

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**BSC 2011L
ANIMAL DIVERSITY**

<http://bio.fsu.edu/~bsc2011l/>

Spring 2003

Lecture and Videos:
TR, 8:00-9:15; 222 CON
Lab: 239 CON (as individually scheduled)

Lab Coordinator: Barbara Shoplock, 237 CON, 644-9828, bshop@bio.fsu.edu

Teaching Assistant: Tim Swain; swain@bio.fsu.edu

Required Texts: *An Introduction to Animal Diversity*, 5th edition by Tschinkel, *et. al.*
BSC 2011L Course Notes (See course website)
Animal Diversity, by Hickman, Roberts & Larson, 3rd edition (HRL)
A Guide to Biology Lab, by Rust (recommended)

Date	Lecture and Lab Topics	Assigned Readings
T 1/07	Introduction to Lecture and Lab & Porifera Lecture in lect. room (222 CON). Lab I (in 239 CON): Introduction & drop/add. Use of the Microscope and Porifera	HRL, Ch. 1 (pp 1-24, 28-32), 2, 3, 6; Tschinkel, Ch. 1, and Appendices A, B; Rust, pp. 50-52
R 1/09	Shape of Life Video-Porifera (in 222 CON)	
T 1/14	Cnidaria Lecture (in 222 CON) Lab II: Cnidaria (in 239 CON)	HRL, Ch. 3 (pp 59-66), Ch. 7; Tschinkel, Ch. 2; Rust, pp. 53-56
R 1/16	Shape of Life Video-Cnidaria (222 CON)	
T 1/21	Animal Classification & Phylogeny-1, and Platyhelminthes & Nemertina (Nemertea) Lecture Lab III: Acoelomates: Platyhelminthes & Nemertina	HRL, Ch. 3 (59-66), 4, 8; Tschinkel, Ch. 3, 4; Rust, pp. 57-60
R 1/23	Shape of Life Video-Platyhelminthes (222 CON)	
T 1/28	Animal Classification & Phylogeny-2, and Pseudocoelomate Lecture Lab IV: Pseudocoelomates	HRL, Ch. 3 (59-66), 4 (80-82), 9; Tschinkel, Ch. 5; Rust, pp. 61-63, 110
R 1/30	No Class. Organize and review your notes.	
T 2/04	Animal Classification & Phylogeny-3, and Annelida Lecture Lab V: Annelida	HRL, Ch. 3. (59-66), 4 (80-82), 11; Tschinkel, Ch. 6; Rust, pp. 66-68
R 2/06	Shape of Life Video-Annelids (222 CON)	
T 2/11	Arthropods I Lecture (Crustaceans) Lab VI: Arthropods I (Crustaceans & Chelicerates)	HRL, Ch. 12 (212-215, 220-228); Tschinkel, Ch. 7; Rust, pp. 69-71, 83-85
R 2/13	Animal Classification & Phylogeny-4, & Arthropods II Lect. (Chelicerates)	HRL, Ch. 12 (215-220)
T 2/18	Arthropods III Lecture (Uniramians: Myriapods & Insects) Lab VII: Arthropods II (Insects)	HRL, Ch. 12 (218-252) Tschinkel, Ch. 8 and Appendix C; Rust, p. 72
R 2/20	Shape of Life Video-Arthropods (222 CON)	
T 2/25	Review for Midterm Lecture Exam (in lecture room during regularly scheduled time slot). Lab VIII: Review for Midterm Practical Exam in the lab room during your regularly scheduled lab period.	
R 2/27	Midterm Lecture Exam in the lecture room (222 CON) (Covers the Porifera through the Arthropods II lectures)	
T 3/04	Slide Review for Midterm Practical Exam (in lecture room during the regularly scheduled lecture period) Lab: No regularly scheduled labs this week	
R 3/06	Midterm Practical Exam in the lab room. (Covers Lab I through Lab VIII). You must take this exam during the time for which you signed up.	

3/10-14 Spring Break --No Classes

Date	Lecture and Lab Topics	Assigned Readings
T 3/18	Mollusca Lecture Lab IX: Mollusca	HRL, Ch. 10; Tschinkel, Ch. 9 and Appendix D; Rust, pp. 64-65, p. 110
R 3/20	Shape of Life Video-Molluscs (222 CON)	
T 3/25	Lophophorates & Echinoderms Lecture Lab X: Bryozoans & Echinoderms	HRL, Ch. 13, 14; Tschinkel, Ch. 10, 11; Rust, pp. 73-75, p. 110
R 3/27	Shape of Life Video-Echinoderms (222 CON)	
T 4/01	Protochordates & Chordates Lecture Lab XI: Chordates	HRL, Ch. 15-20; Tschinkel, Ch. 12, 13; Rust, pp. 76-109
R 4/03	Lecture: Some Evolutionary Trends in Vertebrates	HRL, Ch. 15-20
T 4/08	Protozoa Lecture Lab XII: The Protozoa	HRL, Ch. 5; Tschinkel, Ch. 14
R 4/10	No class. Organize and review your notes.	
M 4/14	Review for Final Practical Exam in the lab room. You must sign up for the review period you wish to attend.	
T 4/15	Slide Review for Final Practical Exam (in lecture room during the regularly scheduled lecture period). Lab: No regularly scheduled labs this week	
R 4/17	Lab Final Practical Exam in the lab room. No regular labs this week. This exam will be comprehensive, covering the entire course. You must take this exam only during the time for which you signed up.	
T 4/22	Animal Embryogeny (review) Lecture & Review for Final Lecture Exam Lab: No regularly scheduled labs this week	HRL, Ch. 3 (59-66), Ch. 4 (80-82)
R 4/24	No Class. Organize, review, and study your notes.	
R 5/01	Lecture Final Exam. Comprehensive, covering the entire course, with a slight emphasis on the material since the midterm lecture exam. 3:00-5:00 P.M., 222 CON.	

You will need the following laboratory equipment for BSC 2011L:

drawing notebook	1 scalpel	1 pair fine (splinter) forceps
1 pair small (Iris) scissors	1 blade	1 dissection needle

Kits with the above equipment are available at the FSU Bookstore and Bill's Bookstore. If you wish to wear gloves for dissections, they may be purchased at FSU Bookstore and at most drugstores.

Grades will be determined as follows:

TA Evaluation (20 pts)	~5%	Midterm Lecture Exam (50 pts)	~11%
Weekly Lab Quizzes (120 pts)	~27%	Final Practical Exam (75 pts)	~17%
Midterm Practical Exam (75 pts)	~17%	Final Lecture Exam (100 pts)	~23%
		Total	440 pts 100%

Extra Credit: weekly lecture quizzes (up to a maximum of 4 points).

Plus/Minus grading: plus/minus grades will not be used this semester.

All examinations are comprehensive.

PLEASE NOTE: It is extremely important that each of you keeps up with the course material on a regular basis. Each week we will be dealing with one or more new phyla, each with its own peculiar brand of terminology. Studying animal diversity is a lot like learning a foreign language. It is necessary to learn not only the vocabulary, but the correct plurals for each word, how the words are used and, of course, the correct meaning of each new word or term. Past experience has shown that those who are able to stay on top of the course material on a daily or weekly basis are those who do the best in this course.

This document and all others produced for this course are available upon request in alternate formats for individuals with print-related disabilities. Contact Dr. Stern at 645-5788 for more information.