

Instructor:

Dr. Trish Spears
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spears@bio.fsu.edu
T & R (4:00-6:00 PM)

BSC 2011L SUMMER 2009**ANIMAL DIVERSITY**

<http://bio.fsu.edu/~bsc2011/>

Lecture and Videos:

102 HCB; T/R
6:00P.M.-7:15P.M.

Lab: 1071 KIN

(Lab times vary depending on section #)

Lab Coordinator:

Jean Hancock
1055 KIN; 644-9839
hancock@bio.fsu.edu
M-F (8:00A.M. - 5:00P.M.)

**Honcho:
Teaching
Assistants:**

Timothy Swain	swain@bio.fsu.edu
Allison Mordas	amordas@bio.fsu.edu
Lisa Hollensead	lisadho@bio.fsu.edu
Paul Gignac	pgignac@bio.fsu.edu
Kenny Wray	kwray@bio.fsu.edu
Stephanie Martin	smartin@bio.fsu.edu
Neil Aschliman	naschliman@bio.fsu.edu

Required Texts:

An Introduction to Animal Diversity, 6th edition by Tschinkel, *et. al.*

Animal Diversity, by Hickman, Roberts, Keen, Larson & Eisenhour, 5th edition (HRKLE)

Optional text: *A Guide to Biology Lab*, by Thomas Rust

Extra: <http://bio.fsu.edu/~bsc2011/> (lower case 'L')

Lab information will be posted weekly on this course web site.

Lecture course notes will be posted on Blackboard, with a link to them from the course web site.



*Only the weeks when labs are held are numbered. Weeks of exams, are hence omitted.
The #s in the boxes therefore MAY NOT correspond to chapters in the lab manual.*

Date	Lecture and Lab Topics	Lab Quizzes	Assigned Readings
T 05/12	Lecture: Introductory Lecture (102 HCB) Official Drop/Add		HRKLE, Ch. 1 (p 12-18, 31-33), 2 (35-37, 46-48, 51-53) 3, & 4 (72-78, 83-87) <i>Tschinkel, Ch. 1, Appendices A & B</i>
	1 Lab: Use of the Microscope, Porifera (KIN 1071 No Quiz)		
R 05/14	Lecture: Porifera		HRKLE, Ch. 6
T 05/19	Lecture: Radiata		HRKLE, Ch. 7
	2 Lab: Cnidaria & Ctenophora	Quiz 1 on Labs 0 & 1	<i>Tschinkel, Ch. 2</i>
R 05/21	Shape of Life Video - Porifera		
T 05/26	Lecture: Acoelomates		HRKLE, Ch. 8
	3 Lab: Acoelomates	Quiz 2 on Lab 2	<i>Tschinkel, Ch. 3 & 4</i>
R 05/28	Shape of Life Video - Cnidaria		
T 06/02	Lecture: Small Lophotrochozoans & Small Ecdysozoans		HRKLE, Ch. 9 & Ch. 12
	4 Lab: Pseudocoelomates & Ectoprocta	Quiz 3 on Lab 3	<i>Tschinkel, Ch. 7</i>
R 06/04	Shape of Life Video - Platyhelminthes		
T 06/09	Lecture: Annelida		HRKLE, Ch. 11
	5 Lab: Annelida	Quiz 4 on Lab 4	<i>Tschinkel, Ch. 6</i>
R 06/11	Shape of Life Video – Annelida & Arthropoda I lecture (Chelicerata, Crustacea & Myriapoda)		HRKLE, Ch. 13 (p235-254)

T	06/16	Lecture: Arthropoda I contd.		HRKLE, Ch. 13 (p235-254)
	6	Lab: Arthropoda I	Quiz 5 on Lab 5	<i>Tschinkel, Ch. 8</i>
R	06/18	Shape of Life Video - Arthropoda I		
T	06/23	Midterm Lecture Exam 102 HCB - during regularly scheduled lecture period. (covering Porifera – Arthropoda I lectures.)		
	7	Lab: Arthropoda II	Quiz 6 on Lab 6	<i>Tschinkel, Ch. 9 & Appendix C</i>
R	06/25	Slide Review by Lab Coordinator for Midterm Practical Exam 102 HCB - during regularly scheduled lecture period.		
M	06/29	Lab Review for Practical Exam <i>The review is held in the lab. (1071 KIN)</i>	<i>No labs this week.</i>	<i>Review is mandatory Sign up for the session you wish to attend.</i>
T	06/30	Lecture: Arthropoda II		HRKLE, Ch. 13 (p255-276)
W	07/01	Midterm Practical Exam (Covering Labs 1-6 only) <i>Exam is held in the lab. (1071 KIN)</i>	<i>No labs this week</i>	<i>Sign up for (& attend) only the exam session you are listed for.</i>
R	07/02	Lecture: Arthropoda II contd.		HRKLE, Ch. 13 (p255-276)
T	07/07	Lecture: Mollusca		HRKLE, Ch. 10
	8	Lab: Mollusca	Quiz 7 on Lab 7	<i>Tschinkel, Ch. 5, Appendix D</i>
R	07/09	Shape of Life Video - Mollusca		
T	07/14	Lecture: Echinodermata		HRKLE, Ch. 15-19
	9	Lab: Echinodermata	Quiz 8 on Lab 8	<i>Tschinkel, Ch. 10</i>
R	07/16	Shape of Life Video - Echinodermata		
T	07/21	Lecture: Protochordata		HRKLE, Ch. 15-20
	10	Lab: Protochordates & Chordates.	Quiz 9 on Lab 9	<i>Tschinkel, Ch. 11 & 12</i>
R	07/23	Shape of Life Video - Chordata		
T	07/28	Lecture: Chordata II		HRKLE, Ch. 20
	11	Lab: Chordata II.	Quiz 10 on Lab 10	<i>Tschinkel, Ch. 12</i>
R	07/30	Slide Review by Lab Coordinator for Final Practical Exam 102 HCB - during the regularly scheduled lecture period.		<i>No labs next week!</i> Review & exam sign-ups posted
M	08/03	Lab Review for Final Practical Exam <i>The review is held in the lab. (1071 KIN)</i>	<i>No labs this week.</i>	<i>Review is mandatory Sign up for the session you wish to attend.</i>
T	08/04	Review for Final Lecture Exam 102 HCB - during the regularly scheduled lecture period.		
W	08/05	Lab Final Practical Exam (covering labs 1-11) <i>Exam is held in the lab. (1071 KIN)</i>	<i>No labs this week</i>	<i>Sign up for (& attend) only the exam session you are listed for.</i>
R	08/06	Lecture Final Exam (102 HCB) This exam will emphasize the material (Arthropoda I – Chordata II) with some general questions, referring back to the previous phyla.		Last Week of Classes

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

1 drawing notebook	1 scalpel	1 pair fine (splinter) forceps	1 ruler
1 pair small (Iris) scissors	2 blades	1 dissection needle	1 soft eraser

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

Grades will be determined as follows:

TA Evaluation	5%	Midterm Lecture Exams	15%
Notebooks (See back)	5%	Final Practical Exam	20%
Weekly Lab Quizzes (10)	20%	Final Lecture Exam	20%
Midterm Practical Exam	15%	Total	100%

- Students may earn extra 4% extra credit points (taken from quizzes administered in the T/R lecture periods), making the total possible maximum course score 104%
- Plus/Minus grades will not be used.
- All examinations are comprehensive.
- You must attend all labs. There are no make-up labs or make-up quizzes.
- Students missing a lab or exam MUST see the coordinator or instructor with documentation.
- Students keep all weekly quizzes their midterm examinations.
- Midterm practical papers are copied before being returned to students.
- Reverse is true for the finals: department keeps original practicals, students get copies.

Notebooks

- Our expectations for your lab notebooks will be explained to you during the first or second lab. A check list will also be available on the course web site and posted in the lab.
- Your lab notebooks are worth 5% of your overall course grade.
- All drawings must be your original work from the current semester (Students re-taking the class must re-do the work.)

The lab notebooks will be graded out of 100 points by the TAs using a spreadsheet with the following point distribution:

- 2 points for actually writing your name and section # on your lab notebook
- 2 points for actually writing your name and section # on your lab manual
(This will be checked at random.)
- 78 points for the drawings (2 points per required drawing)
- 4 points for the labeling of the diagrams
- 4 points for using a ruler for the labeling lines
- 4 points for quality overall of the drawings (clean pencil lines and no smudges)
- 4 points for extra drawings (as suggested in 'Essential lab drawings each week').
- 2 points for overall quality (subjective)

TA Evaluation

This portion of your grade, assigned by your TA is often termed 'TA Points'. It is based generally on your lab participation and work habits, and is worth 5% of your course grade. Each TA has the right to add extra criteria to this list, but those outlined below serve as a general guideline to help you understand our expectations of you during this course. Doing all of these does not guarantee full TA points, but it certainly will help! TAs will grade you each week.

- Arrive on time to lab & stay the entire time. Use the lab time judiciously.
- Be prepared for the lab: read the material, have your manual, notebook and dissection kit.
- Complete the work and turn it in on time.
- Keep your work area clean and organized.
- Learn to work well individually and as a team member. Hand in only your own work, done during the current semester for grading (notebook, quizzes or any other assignments).
- Keep lab area neat and clean.

- Put away all specimens on the back bench in their proper place.
- Wash dissection pans, slides and cover-slips, dry and put away
- Pay attention in class.
- Be respectful to the TA and to your fellow students.
- No food or drinks in lab, and no cell phone use (to send/receive calls or text messages).
- Ask permission of the TA to leave the room to use the bathroom
- Take all personal belongings with you at the end of each lab.
- Pick up all lab quizzes and extra credit quiz slips.
- Help your TA and fellow classmates.
- Go to your TA's office hours or see the coordinator about anything that you do not understand. Likewise, see the Instructor or the coordinator about any issues that may be impacting your grade that you think they should be made aware of (long term illnesses etc.)

Information on the TA evaluation will be available on the course web site and posted in the lab.

PLEASE NOTE:

- It is extremely important that students keep up with the course material on a regular basis. Past experience has shown that those who are able to keep up with the course material on a daily or weekly basis are those who do the best in this course.
- Each week we will be dealing with one or more new phyla, each with its own peculiar brand of terminology. Studying animal diversity is like learning a foreign language: It is necessary to learn not only the vocabulary, but also the correct plurals for each word, how the words are used and, of course, the correct meaning of each new word or term.
- This document and all others produced for this course are available upon request in alternate formats for individuals with print-related disabilities. Contact Dr. Spears for more information.

Academic Honor Policy

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to ". . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://dof.fsu.edu/honorpolicy.htm>.)

Americans with Disabilities Act

Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done the first week of class. The syllabus and other class materials are available in alternate format upon request. For more information about services available to FSU students with disabilities, contact the:

Florida State University, Student Disability Resource Center
 97 Woodward Avenue, South, 108 Student Services Building
 Tallahassee, FL 32306-4167, (850) 644-9566 (voice), (850) 644-8504 (TDD)
sdrc@admin.fsu.edu
<http://www.disabilitycenter.fsu.edu/>

