### Professor:
Dr. Walter Tschinkel
203 Bio Unit 1
644-4489
tschinkel@bio.fsu.edu
Office Hours by Appt.

### BSC 2011L
ANIMAL DIVERSITY
Spring 2006

http://bio.fsu.edu/~bsc2011L/

Lecture: 255 FLH  
T/R; 11:00A.M.-12:15P.M.

Lab: 239 CON  
(Times as individually scheduled)

The ‘Shapes of Life’ videos will be shown every week in 242 CON, M 12:00noon.-1:00P.M.

### Lab Coordinator:
Jean Hancock
241 CON
644-9839 (8:00A.M.-5:00P.M.)
hancock@bio.fsu.edu

### Honcho:
Pete Bouwma  bouwma@bio.fsu.edu
Brendan Biggs  biggs@bio.fsu.edu
Donald Griffin  dgriffin@bio.fsu.edu
De’Nise McKee  mckee@neuro.fsu.edu
Tim Swain  swain@bio.fsu.edu

### Lab Coordinator:
Jean Hancock
241 CON
644-9839 (8:00A.M.-5:00P.M.)
hancock@bio.fsu.edu

### Teaching Assistants:
Patrick Bouwma  bouwma@bio.fsu.edu
Brendan Biggs  biggs@bio.fsu.edu
Donald Griffin  dgriffin@bio.fsu.edu
De’Nise McKee  mckee@neuro.fsu.edu
Tim Swain  swain@bio.fsu.edu

### Required Texts:
*An Introduction to Animal Diversity*, 5th edition by Tschinkel, et. al.
*Animal Diversity*, by Hickman, Roberts & Larson, 3rd edition (HRL)

All supplemental material and course lecture notes will be posted on Blackboard.

### Date       Lecture and Lab Topics                     Weekly lab Quizzes           Assigned Readings

T 01/10 Lecture: Introduction to Course - Lecture and Lab (255 FLH)  
Official Drop/Add  
Lab 0: Use of the Microscope (239 CON)  
No Lab Quiz  
HRL, Ch. 1 (1-24, 28-32), 2, 3, & 4

R 01/12 Lecture: Introduction contd. & Porifera 1 (255 FLH)  
HRL, Ch. 6 (105-115)

T 01/17 Lecture: Porifera contd. (255 FLH)  
Lab I: Porifera (239 CON)  
Tschinkel, Ch. 1, & Appendices A & B

R 01/19 Lecture: Cnidaria (255 FLH)  
HRL, Ch. 3 (59-66), & 7

T 01/24 Lecture: Cnidaria contd.  
Lab II: Cnidaria  
Quiz 1 on Lab I  
Tschinkel, Ch. 2

R 01/26 Lecture: Acoelomates: Platyhelminthes & Nemertina (Nemertea)  
HRL, Ch. 3 (59-66), 4, & 8

T 01/31 Lecture: Acoelomates contd.  
Lab III: Acoelomates  
Quiz 2 on Lab II  
Tschinkel, Ch. 3 & 4

R 02/02 Lecture: Pseudocoelomates  
HRL, Ch. 3 (59-66), 4 (80-82), & 9

T 02/07 Lecture: Pseudocoelomates contd.  
Lab IV: Pseudocoelomates  
Quiz 3 on Lab III  
Tschinkel, Ch. 5

R 02/09 Lecture: Annelida  
HRL, Ch. 3 (59-66), 4 (80-82), & 11

T 02/14 Lecture: Annelida  
Lab V: Annelida  
Quiz 4 on Lab IV  
Tschinkel, Ch. 6

R 02/16 Lecture: Arthropoda I (Chelicera & Crustacea)  
HRL, Ch. 12 (212-228)

T 02/21 Lecture: Arthropoda I contd.  
Lab VI: Arthropoda I  
Quiz 5 on Lab V  
Tschinkel, Ch. 7

R 02/23 Slide Review for Midterm Practical Exam  
255 FLH - during regularly scheduled lecture period.

No labs next week!
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>M 02/27</td>
<td>Review for Lab Practical Exam</td>
<td>No labs this week.</td>
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<tr>
<td></td>
<td>The review is held in the lab. (239 CON)</td>
<td>Sign up for a review session.</td>
</tr>
<tr>
<td>T 02/28</td>
<td>Lecture: Lecture Exam Review</td>
<td>No labs this week.</td>
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<tr>
<td>W 03/01</td>
<td>Midterm Practical Exam (Covering Labs I-VI only)</td>
<td>No labs this week.</td>
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<tr>
<td></td>
<td>Exam is held in the lab. (239 CON)</td>
<td>Sign up for an exam session.</td>
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<td></td>
<td>You must take this exam only during the time for which you signed up.</td>
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<tr>
<td>R 03/02</td>
<td>Midterm Lecture Exam (Covering Porifera - Arthropoda I lectures.)</td>
<td>No labs this week.</td>
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<td></td>
<td>255 FLH - during the regularly scheduled lecture period.</td>
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**M-F 03/06-03/10 Spring Break - No Classes**

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<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>T 03/14</td>
<td>Lecture: Arthropoda II (Uniramia)</td>
<td>HRL, Ch. 12 (228-252)</td>
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<tr>
<td></td>
<td>Lab VII: Arthropoda II (Uniramia)</td>
<td>Tschinkel, Ch. 8 and Appendix C</td>
</tr>
<tr>
<td>R 03/16</td>
<td>Lecture: Arthropoda II contd. &amp; Mollusca</td>
<td>HRL, Ch. 10</td>
</tr>
<tr>
<td>T 03/21</td>
<td>Lecture: Mollusca contd.</td>
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<tr>
<td></td>
<td>Lab VIII: Mollusca</td>
<td>Tschinkel, Ch. 9 and Appendix D</td>
</tr>
<tr>
<td>R 03/23</td>
<td>Lecture: Lophophorates &amp; Echinodermata</td>
<td>HRL, Ch. 13, &amp; 14</td>
</tr>
<tr>
<td>T 03/28</td>
<td>Lecture: Lophophorates &amp; Echinodermata contd.</td>
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<td></td>
<td>Lab IX: Bryozoa &amp; Echinodermata</td>
<td>Tschinkel, Ch. 10 &amp; 11</td>
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<tr>
<td>R 03/30</td>
<td>Lecture: Protochordata &amp; Chordata</td>
<td>HRL, Ch. 15-20</td>
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<tr>
<td>T 04/04</td>
<td>Lecture: Protochordata &amp; Chordata contd.</td>
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<tr>
<td></td>
<td>Lab X: Chordata</td>
<td>Tschinkel, Ch. 12 &amp; 13</td>
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<tr>
<td>R 04/06</td>
<td>Lecture: Protozoa</td>
<td>HRL, Ch. 5</td>
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<td>T 04/11</td>
<td>Lecture: Protozoa contd.</td>
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<td></td>
<td>Lab XI: Protozoa</td>
<td>Tschinkel, Ch. 14</td>
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<td></td>
<td>Quiz 10 on Lab X;</td>
<td>Hand-in Protista/Protozoa Lab Drawings</td>
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<tr>
<td>R 04/13</td>
<td>Slide Review for Final Practical Exam</td>
<td>No labs next week!</td>
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<td></td>
<td>255 FLH - during the regularly scheduled lecture period.</td>
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<tr>
<td>M 04/17</td>
<td>Lab Review for Final Practical Exam</td>
<td>No labs this week.</td>
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<tr>
<td></td>
<td>The review is held in the lab. (239 CON)</td>
<td>Sign up for a review session.</td>
</tr>
<tr>
<td>T 04/18</td>
<td>Lecture: Evolution of Life on Earth</td>
<td>No labs this week.</td>
</tr>
<tr>
<td>W 04/19</td>
<td>Lab Final Practical Exam (covering labs I-XI)</td>
<td>No labs this week.</td>
</tr>
<tr>
<td></td>
<td>The exam is held in the lab. (239 CON)</td>
<td>Sign up for an exam session.</td>
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<td></td>
<td>You must take this exam only during the time for which you signed up.</td>
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<tr>
<td>R 04/20</td>
<td>Review for Final Lecture Exam</td>
<td>No labs this week.</td>
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<td></td>
<td>255 FLH - during the regularly scheduled lecture period.</td>
<td></td>
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<tr>
<td>M 04/24</td>
<td>Lecture Final Exam 5:30-7:30 P.M. (255 FLH)</td>
<td>University Finals Exam Week</td>
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<td>This exam will be comprehensive, (covering the entire course, with a slight emphasis on the material</td>
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<td>since the last lecture exam.) Any further details will be posted on Blackboard or the course web site.</td>
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Copies of this syllabus will be posted on the home page of the course web site:

http://bio.fsu.edu/~bsc2011L/

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

- drawing notebook
- 1 scalpel
- 1 pair fine (splinter) forceps
- 1 pair small (Iris) scissors
- 2 blades
- 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:

<table>
<thead>
<tr>
<th>Grading Category</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>TA Evaluation</td>
<td>5%</td>
</tr>
<tr>
<td>Notebooks (See back)</td>
<td>5%</td>
</tr>
<tr>
<td>Weekly Lab Quizzes</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm Practical Exam</td>
<td>15%</td>
</tr>
<tr>
<td>Midterm Lecture Exam</td>
<td>15%</td>
</tr>
<tr>
<td>Final Practical Exam</td>
<td>15%</td>
</tr>
<tr>
<td>Final Lecture Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
</table>

- Lab attendance is mandatory. There are no make-up labs or make-up quizzes.
- Students missing a lab or exam MUST see the Coordinator or Professor with documentation.
- Attendance at lectures is strongly recommended.
- Plus/Minus grades will not be used this semester.
- All examinations are comprehensive.

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 stay on top of 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. Tschinkel for more information.

Academic Honor Code

Students must understand and uphold the Academic Honor Code, published in the Florida State University General Bulletin and in the Student Handbook. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility (1) uphold the highest standards of academic integrity in the student’s own work, (2) to refuse to tolerate violations of academic integrity in the university’s community, and (3) foster a high sense of integrity and social responsibility on the part of the university community.

Please see the following web site for a complete explanation of the Academic Honor Code.

http://www.fsu.edu/Books/Student-Handbook/codes/honor.html

http://www.fsu.edu/Books/Student-Handbook/

Americans with Disabilities Act

Florida State University provides high-quality services to student with disabilities, and we encourage you to take advantage of them. Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center (SRDC); 2) bring a letter from SRDC to the instructor (or Coordinator) indicating the need for accommodation and what type. This should be done during the first week of class. For more information about services available to FSU students with disabilities, contact the

Student Disability Resource Center
97 Woodward Avenue, South
Florida State University
Tallahassee, FL 32306-4167
srdc@admin.fsu.edu

http://www.fsu.edu/~staffair/dean/StudentDisability/

(850) 644-8504 (TDD)
(850) 644-9577 (voice)