

# Diversity and Systematics of Organisms

EEOB 405.01; Spring 2006

C. L. Bronson.5	Lectures (Weeks 4-10)	202 Aronoff (Office Hours) 296 Aronoff (Office)	688-3510	M 1100-1300 R 0900-1100 or by appt*
Cynthia Dassler.1	Lectures (Weeks 1-3)	1350L MBD (Office)	292-3296	by appt*
Maria Vitazka		298 Aronoff	688-3626	T 1000-1130 W 1130-1300

\*email three times that work for you

**Objective:** Survey of organismal diversity and the evolutionary relationships between and within major taxonomic groups.

**Text:** *Animal Diversity*, 4<sup>th</sup> Ed. (2007), Hickman, Roberts, Keen, Larson & Eisenhour  
 Selections from *Introductory Plant Biology*, 9<sup>th</sup> Ed. (2003), Stern, Jansky, and Bidlack  
 (two texts are sold as a bundled package at the bookstores)

**Components:**

Lecture	1330-1518 Monday and Wednesday	107 Parks Hall
Exam 1	1330 Monday 17 April	107 Parks Hall
Exam 2	1330 Wednesday 10 May	107 Parks Hall
Mosaic	1630 Wednesday 31 May (preferably in class)	
Exam 3	1330-1518 Wednesday 7 June	107 Parks Hall

**Grade:**

Writing Assignment (Mosaic)	50 pts
Exam 1 (Plants, et al.)	100pts
Exam 2 (Animals I)	100pts
Exam 3 (Animals II)	100 pts

Exam format – true/false, multiple choice, fill-in-the-blank and short answer

Scale (OSU norm): X- = x0-x2, X = x3-x6, X+ = x7-x9.

Class average will be  $\geq 75$ .

**Statement of Diversity** – The instructors of this course are committed to promoting a welcoming climate for all students. For more information on diversity see the OSU website (<http://www.osu.edu/diversity/>). The instructors welcome suggestions, questions, and comments. Any exchange of ideas will be conducted with confidentiality, safety, and respect as guiding principles.

**Disabilities Statement:** In accordance with University policy and the Americans with Disability Act, academic accommodations may be made for any student who notifies the instructor of the need for an accommodation during the first two weeks of class. It is imperative that the student take the initiative to bring such needs to the instructor's attention, as the instructor is not legally permitted to inquire about such particular needs of students. Students who may require special assistance in emergency evaluations should contact the instructor as to the most appropriate procedures to follow in such situations. Contact Disability Support Services at 292-1760 for additional services.

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## Lecture Schedule:

### **Week 1** (27 and 29 March)

Introduction to plants, Fungi/Lichens, Protista/Algae 16, 18-19 Stern et al.

### **Week 2** (3 and 5 April)

Bryophytes, Fern allies, Ferns 20-21

### **Week 3** (10 and 12 April)

Gymnosperms, Flowering plants 22-24

### **Week 4** (17 and 19 April)

*Exam 1*, Ecology, Evolution 1-2 Hickman et al.

### **Week 5** (24 and 26 April)

Body plans, Phylogeny, Protozoans 3-5

### **Week 6** (1 and 3 May)

Sponges, Radiates, Acoelomates 6-8

### **Week 7** (8 and 10 May)

Pseudocoelomates, Molluscs, *Exam 2* 9-10

### **Week 8** (15 and 17 May)

Annelids, Arthropods, Lesser protostomes 11-13

### **Week 9** (22 and 24 May)

Echinoderms, Chordates, Fish, Amphibians 14-17

### **Week 10** (31 May)

Reptiles, Birds, Mammals, *Mosaic Organism Due* 18-20

**Final Exam (*Exam 3*):** 1330-1518 Wednesday 7 June 2006