

Instructor - Dr. Ted Uyeno

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Hours -

Office: Tue 3:30 – 4:30, Wed 9:00-10:00 (or by appointment)

Course: Lecture – Tues, Thurs 2:00 - 3:15 pm, BSC 1025

Lab – Wed 10:00 -12:50 (Section A), 2:00 – 4:50 (Section B), BC 1088

Textbook – Invertebrate, Brusca, Moore, & Shuster 3rd. Oxford University Press

Laboratory - Dissection tools are required (can be purchased at the bookstore)

Course Description This course surveys the major phyla of aquatic, terrestrial and aerial invertebrate organisms on our planet. We will look at how these interesting organisms evolved to exist today with their extremely diverse functional morphologies and inhabit their current ecological niches.

Pre-Requisite: Biology 11074108 or instructor permission.

Attendance: MANDATORY! Please note: 1) keep track of attendance 2) Disruptive students will be asked to leave. 3) NO electronics or associated earpieces are allowed in lecture or laboratory. Interacting with any device during a quiz or exam will be treated as an instance of CHEATING 4) Those wishing to use laptop computers as part of the class are required to sit in the first row of the classroom. Viewing anything other than BIOL 2651 coursework on a computer during course time is prohibited. Any of these violations may result in the loss of one LETTER GRADE from your final grade. Students missing 20% of the lectures will receive a grade of "F" regardless of standing.

Learning contract – Dr. T. Uyeno

1) I care–

Tentative Lecture Outline - This is the order in which we will cover topics.

| TOPIC | TEXT CHAPTERS |
|----------------------------------|---------------|
| Intro to diversity and phylogeny | 1 |
| Intro to Protozoa | 3 |
| Intro to Metazoa | 4,5 |
| Porifera | |

Tentative Lab Schedule- This is the order in which we will cover topics

| DAY | TOPIC | Specimens |
|--------------|----------------------|--------------------------|
| 1 January17 | Phylogenetics | Notebooks |
| 2 January24 | Porifera | Sponges |
| 3 January31 | Cnidaria | Jellyfish |
| 4 February7 | Worms 1 | Flat/roundworm |
| 5 February14 | Worms 2 | Earthworms |
| 6 February21 | Molluscs 1 | Snails/clams |
| 7 February28 | Molluscs 2 | Squids |
| 8 March7 | LAB PRACTICAL 1 | |
| 9 March14 | Spring Break- no lab | |
| 10 March21 | Gulf Coast trip | Panacea, FL |
| 11 March28 | Arthropod 1 | Crayfish/ Grasshopper |
| 12 April 4 | Arthropod 2 | Field Collection |
| 13 April 11 | Echinoderms | Seastar |
| 13 April 18 | Chordates | Sea squirts |
| 14 April 25 | LAB PRACTICAL 2 | |
