

**Instructor - Dr. Ted Uyeno**

**Office – Bailey Science Center Rm. 2208**

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**Hours - Office: Mon 10:00-11:00, Tue 2:00 – 3:00** (or by appointment)

**Course: Lecture – Tues, Thurs, 3:30 - 4:45 pm**, BSC 1024

Lab – **Wed, 11:00 - 1:50 (Section A), 2:00 – 4:50 (Section B)**, BSC 1088

**Textbook** – Biology of the Invertebrates, Pechenik >5<sup>th</sup> ed. McGraw Hill.

**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 1107-1108 or instructor permission.

**Attendance: MANDATORY!** Please note: 1) I 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 3800 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. **Attendance on two course field trips are mandatory.**

**Students with Documented Disabilities:** I would like to teach everyone; Students needing accommodations should contact me

## **Learning contract – Dr. T. Uyeno**

- 1) *I care* – I teach because I want to make a contribution to your successful career. You must also promise to

**BIOL 3800/5800**  
**Invertebrate Zoology**  
**Dr. Ted Uyeno**

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

<b>TOPIC</b>	<b>TEXT CHAPTERS</b>
Considering the physical world	1
How to classify invertebrates	2
Protists/Poriferans	3,4
Hydrostatic skeletons	5
<b>Exam 1</b>	
Cnidaria and Ctenophora	6,7
Platyhelminthes	8
Gnathifera	10
Nemertea	11
<b>Exam 2</b>	
Mollusca	12
Annelida	13
Arthropods	14,15
Nematodes	16
<b>Exam 3</b>	
Lophophores	19
Echinoderms	20
Hemichordates	21
Nonvertebrate Chordates	23
Invertebrate Reproduction	24
Student Presentations	
<b>Exam 4</b>	
<b>Final Exam</b>	

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**Lecture Exams:**

- 1 ~ February 1
- 2 ~ February 22
- 3 ~ March 29
- 4 ~ April 28

**Final Exam:**

Lecture – Wednesday, May 6, 2:45 pm  
<https://www.valdosta.edu/academics/registrar/documents/final-exam-schedule.pdf>

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

	<b>DAY</b>	<b>TOPIC</b>	<b>Specimens</b>
1	January 12	None	None
2	January 19	Writing	Notebook
3	January 26	Classification	Keys
4	February 2	Protozoans/Poriferans	Protozoa