

## INVERTEBRATE ZOOLOGY (Z2466) INFORMATION SHEET: SPRING 2016

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*Instructor:* Dr. Elizabeth Walsh

*Office:* B216 *Lab:* B221\* mostly likely

*Office hours:* M, W 1:30-2:30 pm or by appointment

*Phone:* 747-5421 or 747-6989

*Mailbox:* Biosciences Building B2.120

*email:* ewalsh@utep.edu

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### **COURSE OBJECTIVES**

Invertebrate Zoology is a survey of general classification, functional systems and biology of living invertebrates. The objectives of the course are:

- (1) gain a greater appreciation for the diversity and complexity of invertebrates,
- (2) have the ability to identify invertebrates in their natural habitats based on morphological, behavioral and life history characteristics,
- (3) gain an understanding of invertebrates adaptations to their environment at global to local scales.
- (4) express the goals and principles of systematics and taxonomy. Analyze the interrelationships between ecology and evolution.
- (5) express the goals and principles of ecology and evolutionary biology in relation to invertebrate zoology in written and verbal formats
- (6) understand the impact of humans on other populations and our responsibilities in maintaining species diversity.

### **GRADE DETERMINATION**

The total number of points possible for the course is 1000. The **Lecture will total 700** points, the **Lab 300 points**. The final exam is comprehensive in lecture and laboratory.

Your lecture exams will total 600 points.

Exam 1 – 120 points

Exam 2 – 120 points

Exam 3 – 120 points

Final Exam – 240 points

Homework assignments (30 points) and poster project (70 points) will total 100 points.

**Lab Grade:** A separate syllabus will be given in lab.

**Required Textbook:** *Biology of the Invertebrates* by J.A. Pechenik. 6th ed. McGraw Hill.

**Invertebrate Zoology Z2466  
LECTURE SCHEDULE - Fall 2012**

<b>Week of</b>	<b>Topic</b>	<b>Required reading</b>
Jan 18	Environmental Considerations Phylogeny and Classification	Chapters 1, 2
Jan 25	Protozoans, Porifera	Chapters 3 – 4
Feb 1	Hydrostatic Skeleton, Cnidaria	Chapters 5 – 6
Feb 8	Ctenophores, Platyhelminthes <b>Exam 1</b> (Feb10)	Chapters 7 - 8
Feb 15	Platyhelminthes & relatives, Gnathifera	Chapters 9-10
Feb 22	Mollusca	Chapter 12
Feb 29	Mollusca, <b>Exam 2 (Mar 3)</b>	Chapter 12
<b>Mar 7</b>	<b>SPRING BREAK</b>	
<b>Mar 14</b>	Annelids and Sipunculans	Chapter 13
Mar 21	Arthropods	Chapter 14
Mar 28	Arthropods	
	<b>Drop deadline: April 1</b>	
Apr 4	Tardigrades; Nematoda	Chapters 15 – 16
Apr 11	<b>Exam 3 (April)</b>	
Apr 18	Minor Phyla, Lophophorates	Chapters 17 - 19
Apr 25	Echinoderms	Chapter 20
May 4	Hemichordates, Development	Chapter 21-24
<b>May 12</b>	<b>Final Exam – Comprehensive</b>	<b>10:00am - 12:45pm</b>

## COURSE POLICIES

**POLICY ON CIVILITY:** Please come to class on time. It is disturbing and distracting everybody if people come in late. Please do not hold private conversations during lectures, but feel free to ask questions or start a discussion at any time. Cell phones **MUST** be turned off during class. **DO NOT** answer phones while in class.

**POLICY ON CLASS PARTICIPATION:** You are expected to come to class prepared to answer questions about the assigned readings. Always bring a pen and paper. Pop quizzes may be given at any time during the class period.

**POLICY ON MAKE-UP QUIZZES AND EXAMINATIONS:** **NO** make-up quizzes or exams will be given for reasons other than illness (doctor's note required) or when a student is on official University business (documentation required). Make-ups must be scheduled within a week of when the quiz or test was given.

**POLICY ON ACADEMIC INTEGRITY:** Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another person's as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated.

While you will be working in teams on some assignments, the work you submit for assessment must be evaluated on its own merit. Therefore, team members' work should reflect the individual's thoughts. Do NOT turn in 3 near-duplicate reports with different names or everyone involved will be sent to the Dean of Students for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions. Yes, we have had to deal with this problem in the past and we are not lenient. You can calculate the consequences. All university guidelines will be strictly followed. Please read these guidelines carefully. The guidelines can be found on line at:

<http://admin.utep.edu/Default.aspx?PageContentID=2084&tabid=30292>

**POLICY ON DISRUPTIVE BEHAVIOR:** Any student who disrupts the class will be asked to leave and will be referred to the Dean of Students.

**STUDENTS WITH DISABILITIES:** If you think you may have a disability or if you are experiencing learning difficulties, please contact the Center for Accommodations and Support Services (CASS) at [\(915\) 747-5148](tel:9157475148) (voice or TTY), in Union East Room 106, or by e-mail at [cass@utep.edu](mailto:cass@utep.edu). They will provide any necessary accommodations. You should also meet with your instructor in order to facilitate your needs. You are expected to provide documentation of your disability in order to make special arrangements in this class.

**MILITARY STATEMENT:** If you are a military student with the potential of being called into military service and/or training during the course of the semester you are encouraged to contact the instructor regarding these matters. You must let us know during the first two weeks of the semester.

**DROP POLICY (College of Science):** All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. Although UTEP will allow a maximum of one year to complete this contract, the College of Science requests it be limited to month based upon completion data. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted. **The drop deadline is 1 April 2016**

**POLICY ON ELECTRONIC DEVICES:** Use of **laptops** during class is not permitted, except for class assigned presentations. The necessity of classroom interaction in this course negates the usefulness of laptops as a note-taking device. The use of your laptop during class can also prove distracting to your classmates, so please refrain from using your laptop during class. Use of **cell phones or other wireless devices are not permitted.**

- Set your phone to mute or silent mode before coming to class.
- Do not answer incoming calls or make outgoing calls except in an emergency.
- Do not use text messaging or web browser features while in class.

***If you choose not to comply with these policies you will be ask to leave the classroom.***