

## TENTATIVE LECTURE SCHEDULE - Invertebrate Zoology Z2466 - Fall 2017

### INVERTEBRATE ZOOLOGY (Z2466) INFORMATION SHEET Fall 2017

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*Instructor:* Dr. Elizabeth Walsh

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

*Office hours:* T, R 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 report (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.

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<b>Week of</b>	<b>Topic</b>	<b>Required reading</b>
Aug 28 Aug 30	Environmental Considerations Phylogeny and Classification	Chapters 1-2
Sept 4 Sept 6	Labor Day – no class Protozoans	Chapter 3
Sept 11 Sept 13	Porifera iNaturalist, Rio Bosque	Chapter 4
Sept 18 Sept 20	Hydrostatic skeleton, Cnidarian Ctenophores, Platyhelminthes & relatives	Chapters 5-6 Chapters 7-8
Sept 25 <b>Sept 27</b>	Platyhelminthes & relatives <b>EXAM 1</b>	Chapter 8
Oct 2 Oct 4	Gnathifera Mollusca	Chapter 10 Chapter 12
Oct 9 Oct 11	Mollusca Mollusca	Chapter 12 Chapter 12
Oct 16 Oct 18	Annelids and Sipunculans Annelids and Sipunculans	Chapter 13 Chapter 13
<b>Oct 23</b> Oct 25	<b>EXAM 2</b> Arthropods	Chapter 14
Oct 30 Nov 1	Arthropods Arthropods; Tardigrades	Chapter 14 Chapters 14-15
Nov 6	Tardigrades; Nematoda and relatives	Chapters 16, 17
Nov 13 Nov 15	Minor Phyla TBA	Chapter 18
Nov 20 Nov 22	<b>EXAM 3</b> Lophophorates	Chapters 19
Nov 27 Nov 29	Echinoderms Echinoderms	Chapter 20 Chapter 20
Dec 4 Dec 6	Invertebrate Reproduction Larval ecology, review	Chapter 24
<b>Dec 14</b>	<b>Final Exam – Comprehensive</b>	<b>10:00am - 12:45pm</b>

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### COURSE POLICIES

**POLICY ON CLASS PARTICIPATION:** You are expected to come to class prepared to lead a discussion on the assigned topic. You should have a good understanding of the reading and have several questions ready to discuss.

**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.

**DISABILITY STATEMENT:** If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Center for Accommodation and Support Services (CASS) at 747-5148 or at [cass@utep.edu](mailto:cass@utep.edu) or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

**MILITARY STATEMENT:** If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact me no later than Sept 6.

**POLICY ON HOMEWORK:** All homework assignments are to be individual efforts unless specifically told otherwise. This policy will be strictly enforced.

**POLICY ON MAKE-UP EXAMINATIONS:** NO make-up exams will be given for reasons other than illness (doctor's note required), absence with the instructor's prior approval, or when a student is on official University business (documentation required BEFORE the absence). Make-up exams will be scheduled on Fridays at 5 pm. The same policy will be followed for missed laboratory work.

**POLICY ON ACADEMIC HONESTY:** Academic Dishonesty will not be tolerated. All university guidelines will be strictly followed. Please read these guidelines carefully. If you have any questions regarding the university policy please contact the Dean of Students.

**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.***