

## TENTATIVE LECTURE SCHEDULE - Invertebrate Zoology ZOOL 2466 - Fall 2019

### INVERTEBRATE ZOOLOGY (Z2466) INFORMATION SHEET Fall 2019

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*Instructor:* Dr. Elizabeth Walsh

*Office:* B218; *Lab:* B221\* mostly likely

*Office hours:* T, R 10:00-11:30 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 550 points.

Exam 1 - 100 points

Exam 2 - 100 points

Exam 3 - 100 points

Final Exam – 250 points

Homework assignments (50 points\*) and poster report (100 points) will total 150 points.

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

**Required Textbook:** *Invertebrates. Edition 3. Richard C. Brusca, Wendy Moore, Stephen M. Shuster, Nancy Haver. 2016.*

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<b>Date</b>	<b>Topic</b>	<b>Required readings</b>
Aug 26	Invertebrate Origins	Chapter 1
Aug 28	Phylogeny and Classification	Chapter 2
<b>Sept 2</b>	<b>Labor Day – no class</b>	
Sept 4	Protists	Chapter 3
Sept 9	Body Plans; iNaturalist, Rio Bosque Wetlands Park	Chapter 4
Sept 11	Porifera	Chapter 6
Sept 16	Hydrostatic skeleton, Cnidarian	Chapters 7
Sept 18	Ctenophores, Platyhelminthes, & relatives	Chapters 8-10
Sept 23	Platyhelminthes & relatives	Chapters 8-10
<b>Sept 25</b>	<b>EXAM 1</b>	
Sept 30	Mollusca	Chapter 12
Oct 2	Mollusca	Chapter 12
Oct 7	Nermetea	Chapter 11
Oct 9	Gnathifera	Chapter
Oct 14	Annelids and Sipunculans	Chapter 13
Oct 16	Annelids and Sipunculans	Chapter 13
Oct 21	Nematoda and Nematomorpha	Chapter 18
<b>Oct 23</b>	<b>EXAM 2</b>	
Oct 28	Guest speaker – Paul Hotchkin	
Oct 30	Minor Phyla – Patrick Brown	Chapters 19-20
	<b>Nov 1 – drop deadline</b>	
Nov 4	Arthropoda: Myriopoda; Chelicerata	Chapters 23-24
Nov 6	Arthropoda: Crustacea	Chapter 21
Nov 11	Arthropoda: Hexapoda	Chapter 22
Nov 13	Gnatifera	Chapter 16
Nov 18	<b>EXAM 3</b>	
Nov 20	Echinoderms	Chapter 25
Nov 25	Echinoderms	Chapter 25
Nov 27	Phylum Hemichordata; Phylum Chordata	Chapters 26-27
Dec 2	Invertebrate Reproduction	Chapter 5
Dec 4	Invertebrate Phylogeny	Chapter 28
<b>Dec 11</b>	<b>FINAL EXAM – Comprehensive</b>	<b>10:00am - 12:45pm</b>

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### COURSE POLICIES

**POLICY ON DROP DEADLINE:** We will follow the College of Science and UTEP with respect to the drop date of **Nov 1<sup>st</sup>**. No requests for a withdrawal will be approved after this date.

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

**POLICY ON CAMPUS CARRY:** Persons holding a Concealed Handgun License can lawfully carry their handgun into a UTEP classroom as long as the gun remains concealed. Open carry remains prohibited on campus. In other words, none of us should see (or be able to tell that there is) a gun at UTEP. Call the University Police at 747-5611 or dial 911 if you see any individual on campus with a handgun or other type of weapon. For more information on campus carry, see [<http://sa.utep.edu/campuscarry/>]; for more information on overall campus safety, see [<http://admin.utep.edu/emergency>].

**POLICY ON CIVILITY:** Please come to class on time. It is 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.**

**Disability Statement:** If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto:cass@utep.edu), or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass). *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*

**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 one of the Instructors no later than Sept 10.

**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 ASSIGNMENTS:** NO make-up assignments 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).

**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.

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