



## Biological Sciences

### Biology 308 -- Invertebrate Zoology Course Syllabus

<b>Instructor:</b>	Dr. David Allard	
<b>Office:</b>	219A SCIT	
<b>Schedule:</b>	<p><u>Office Hours</u></p> <ul style="list-style-type: none"> <li>• 1:00 - 5:00 M</li> <li>• 12:00 – 3:00 TR</li> </ul> <p>I am usually in my office on most days unless I am traveling or in a meeting. It is a good idea to call before you come in case I am out.</p>	<p><u>Class Schedule</u></p> <ul style="list-style-type: none"> <li>• BIOL 308 – 5:00-8:40 M</li> <li>• BIOL 2402 – 9:30-12:00 TR</li> <li>• BIOL 450 – 1:00-4:40 F</li> <li>• BIOL 510 – TBA</li> </ul>
<b>Phone</b>	(903) 334-6672	
<b>Personal Webpage:</b>	<a href="http://www.tamut.edu/~allard/index.html">http://www.tamut.edu/~allard/index.html</a>	
<b>Blackboard site</b>	<a href="http://bb91a.tamut.edu/">http://bb91a.tamut.edu/</a>	
<b>Email:</b>	David.Allard@tamut.edu	
<b>Catalog Description:</b>	<p><b>BSC 308 Invertebrate Zoology.</b> This course will explore the diversity of invertebrate types, morphologically, embryologically, and physiologically. The ecological role of invertebrates will be emphasized. Prerequisite: 2 semesters of biology.</p>	

<b>Required Text:</b>	Pechenik, Jan A. 2004. Biology of the Invertebrates. 6th Edition. McGraw-Hill. ISBN: 0073028266
<b>Course Objectives:</b>	The general objective of this course is to familiarize the student with the basic concepts of invertebrate zoology. After taking this course the student should have an understanding of the following concepts: (1) Familiarity with the invertebrate phyla; (2) Invertebrate anatomy; (3) Invertebrate natural history; (3) Collection methods; (4) Invertebrate behavior; (5) Evolution of invertebrates.
<b>Student Learning Objectives</b>	<ol style="list-style-type: none"> <li>1. By the end of the semester the student should be able to name 70% of the major invertebrate phyla on the lab exams</li> <li>2. By the end of the semester the student should be able to identify 70% of the parts of the invertebrate anatomy on the lab exams.</li> <li>3. By the end of the semester the student should be able to discuss the invertebrate phyla on essay questions with a score of 7 out of 10 points.</li> </ol>
<b>Tentative Course Outline</b>	
<ul style="list-style-type: none"> <li>• Introduction -- Read Chapters 1 and 2</li> <li>• Protozoa Read Chapter 3</li> <li>• Porifera Read Chapter 4</li> <li>• Cnidaria &amp; Ctenophora Read Chapters 5, 6 &amp; 7</li> <li>• <b>Lab Exam I</b></li> <li>• <b>Lecture Exam I</b></li> <li>• Platyhelminthes Read Chapter 8</li> <li>• Nematodes &amp; Friends Read Chapters 16 &amp; 17</li> <li>• Rotifera &amp; Friends Read Chapter 11</li> <li>• Annelida Read Chapter 13</li> <li>• <b>Lab Exam II</b></li> <li>• <b>Lecture Exam II</b></li> <li>• Mollusca Read Chapter 12</li> <li>• Arthropod Read Chapter 14</li> <li>• Echinoderm Lecture -- Read Chapter 20</li> <li>• <b>Lab Exam III -- Scavenger Hunt and Specimen Collection Due</b></li> <li>• <b>Lecture Exam III</b></li> </ul>	
<b>Evaluation:</b>	Three lecture exams, each worth 100 points will be given. Make-up exams may be made available in the event that the instructor

	<p>receives notification prior to the scheduled examination time. Daily quizzes are also given and averaged for a lecture grade. The average of lecture work will comprise two-thirds of your grade. Laboratory exams and other work (Specimen collections, and other assignments) will be also be given. The average of this work will comprise one-third of your grade. I will make every attempt to return your work by the next class period if possible and certainly within one week.</p> <p><b>*Please note:</b> There <b>may</b> also be unannounced pop-quizzes (you must be in your seat at the time the pop quizzes are handed out in order to take them), <b>possibly</b> some homework assignments and/or a <b>class project</b>, <i>journals</i>, and take-home exams. Your grade on late work may be reduced by 10 points per day.</p>
<b>Grading Scale:</b>	<p>&gt; 90% = A  80% - &lt;90% = B  70% - &lt;80% = C  60% - &lt;70% = D  &lt;60% = F</p>
<b>Make-up exams:</b>	<p>Any make-up lecture exams will be given only with a valid <i>University</i> excuse (documentation) for missing a regularly scheduled major exam; they may be of the <b>essay type</b> and scheduled at the earliest possible time following the absence. It is the <b>responsibility of the student</b> to inquire as to the procedure for making up an exam. The student is advised to report to me ASAP for instructions on taking the make-up exam. No exemptions/exceptions. A grade of zero (0) will be recorded if the make-up is not taken in a timely manner. There are <b>no make-ups</b> on pop-quizzes, other class assignments, or lab exams.</p>
<b>Attendance Policy and Withdrawal:</b>	<p>I <b>strongly suggest</b> you attend class on a regular basis each week. This class is scheduled for 2 days/wk and missing class will put you behind. If you miss a class, you must get the notes from a colleague; I will be glad to provide any handout material. I also suggest you arrive to class on time as daily quizzes, if administered, are given promptly at the <b>beginning</b> of class and cannot be made up and will not be given if you are not in your seat when they are handed out. The final drop/withdrawal date for the Spring semester is published in the University Calendar. Please also see University catalog procedure for dropping a course. I may also use the <u>administrative drop</u> for students missing too many classes, <i>see University catalog</i>.</p>
<b>Academic Integrity:</b>	<p>Academic honesty is expected of students enrolled in this course. Cheating on examinations, unauthorized collaboration, falsification of research data, plagiarism, and undocumented use of materials from any source constitute academic dishonesty and may be grounds for a grade of 'F' in the course and/or disciplinary actions. For additional information, see the university catalog.</p>

<b>University Drop Policy:</b>	<p>University Drop Policy: To drop this course after the 12th class day, a student must complete the Drop/Withdrawal Request Form, located on the University website <a href="http://tamut.edu/Registrar/droppingwithdrawing-from-classes.html">http://tamut.edu/Registrar/droppingwithdrawing-from-classes.html</a>) or obtained in the Registrar's Office. The student must submit the signed and completed form to the instructor of each course indicated on the form to be dropped for his/her signature. The signature is not an "approval" to drop, but rather confirmation that the student has discussed the drop/withdrawal with the faculty member. The form must be submitted to the Registrar's office for processing in person, email Registrar@tamut.edu, mail (P. O. Box 5518, Texarkana, TX 75505) or fax (903-223-3140).</p> <p>Drop/withdraw forms missing any of the required information will not be accepted by the Registrar's Office for processing. It is the student's responsibility to ensure that the form is completed properly before submission. If a student stops participating in class (attending and submitting assignments) but does not complete and submit the drop/withdrawal form, a final grade based on work completed as outlined in the syllabus will be assigned.</p>
<b>Disability Accommodations:</b>	<p>Students with disabilities may request reasonable accommodations through the A&amp;M-Texarkana Disability Services Office by calling 903-223-3062.</p>
<b>Classroom Protocol:</b>	<p><b>Informal (professional) class participation is always welcome. Please do not make comments that are off the subject or that impede the progress of the class.</b> If a student's behavior is such that it disturbs the learning process of others or shows outright disrespect for the instructor, the instructor will request the student to cease the disruptive behavior. Please refrain from talking, whispering, or other negative behaviors that might distract the instructor or colleagues. If a student continues to be disruptive, the instructor may request they leave the classroom for the remainder of the period and visit an appropriate TAMU-T administrator. Students may be expelled from the course for inappropriate behavior. Please try to remain in your seat during lecture unless there is an emergency. <b>No cell-phone or beeper in class.</b> Thanks!</p>
<b>A&amp;M-Texarkana Email Address:</b>	<p>Upon application to Texas A&amp;M University-Texarkana an individual will be assigned an A&amp;M-Texarkana email account. This email account will be used to deliver official university correspondence. Each individual is responsible for information sent and received via the university email account and is expected to check the official A&amp;M-Texarkana email account on a frequent and consistent basis. Faculty and students are required to utilize the university email account when communicating about coursework.</p>

<p><b>Notes:</b></p>	<p><b>I reserve the right to make changes in the course schedule at any time during the semester. Please check the course homepage and syllabus on the internet for updates.</b></p> <p>The faculty of Science, Technology, Engineering and Mathematics is committed to the continuous improvement in the quality of instruction. Student input is important and will be obtained at the end of the course.</p>
<p><b>Student Technical Assistance for Blackboard:</b></p>	<p>Solutions to common problems and FAQ's for your web enhanced and online courses are found at this link:  <a href="http://www.tamut.edu/webcourses/index.php?pageid=37">http://www.tamut.edu/webcourses/index.php?pageid=37</a></p> <p>If you cannot find your resolution there, you can send in a support request detailing your specific problem here:  <a href="http://www.tamut.edu/webcourses/gethelp2.php">http://www.tamut.edu/webcourses/gethelp2.php</a></p> <p>Blackboard Helpdesk contacts:  Office hours are: Monday - Friday, 8:00a to 5:00p</p> <p>Kevin Williams (main contact) 903-223-3028  kevin.williams@tamut.edu</p> <p>Frank Miller (alternate) 903-223-3156  frank.miller@tamut.edu</p> <p>Nikki Thomson (alternate) 903-223-3083  nikki.thomson@tamut.edu</p>

### Criteria for grading essays

<b>0 - &lt; 6 points</b>	<b>6 points</b>	<b>7 points</b>	<b>8 points</b>	<b>9 – 10 points</b>
<p>The answer demonstrates little or no grasp of the topic. The response: (1) may significantly misstate facts or misinterpret them; (2) may fail to completely justify the choice of factors; (3) may be a string of generalizations without specifics or specifics without generalizations; (4) has structure and mechanics which may cause the reader significant difficulty.</p>	<p>The answer demonstrates only limited understanding or a partial misunderstanding of the topic. The response: (1) may use unimportant factors or may explain important factors or their significance with little coherence or specificity; (2) may make a number of serious factual errors; (3) has structure and mechanics which sometime impede the reader's understanding.</p>	<p>The answer demonstrates an acceptable but commonplace understanding of the topic. The response: (1) presents important factors but explains them with only the most obvious specifics; (2) delineates only the most obvious implications; (3) has structure and mechanics which may cause the reader minor distractions.</p>	<p>The answer demonstrates an accurate grasp of the topic. The response: (1) presents important factors and explains them with appropriate specifics; (2) shows less detailed knowledge and less synthesis than the A response; (3) has structure and mechanics which usually serve content</p>	<p>The answer shows a superior understanding of the topic. The written response: (1) presents factors of central significance and explains them with substantial factual detail; (2) clearly shows how these factors operate; (3) has structure and mechanics which serve content.</p>