Entomology 322
Insects in Human Society

CRN 11312
Section 500
Dr. Roger E. Gold, Professor & Endowed Chair
Teaching Assistants: TBD

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Entomology 322 – Insects in Human Society (Sec. 500)
Room 101, Heep Center; 10:20a-11:10a

Official Syllabus
(CRN 11312)
Dr. Roger E. Gold, Professor & Endowed Chair
E-mail: r-gold@tamu.edu;
Room 100, Build 1051
Office hours: 11:10-12:30p, M-W-F, &/or by appointment

Introduction to the Course
This is an introductory course on insects and related arthropods for non-entomology majors. Throughout the course, student will be introduced to examples of ways that arthropods are used to describe, explain, and predict natural phenomena which involves the use of the scientific method. The course deals with insects as resources for both food and space, and also as competitors with humans and other animals. Insects are the most abundant and diverse multi-cellular life forms on earth, and their role in nature is essential for human existence. Insects have affected the development of human civilizations and cultures through impacts ranging from health, sanitation, food production and storage, to music, art and architecture. Arthropods are part of the human experience on planet Earth, and this course offers an overview of the historic, present day, and future roles of insects and other arthropods in affecting the culture of all countries and societies.
ENTOMOLOGY 322-INSECTS IN HUMAN SOCIETY (Sec. 500)

Schedule of Lectures (Example)
(CRN 11312)

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Lec. #</th>
<th>topic</th>
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<tbody>
<tr>
<td>Mon</td>
<td>1</td>
<td>Course overview-syllabus review</td>
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<tr>
<td>Wed</td>
<td>2</td>
<td>Intro. To Course &amp; to Insects</td>
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<tr>
<td>Fri</td>
<td>3</td>
<td>Classification of Insects &amp; Other Arthropods</td>
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<tr>
<td>Mon</td>
<td>4</td>
<td>Martin Luther King Holiday-no class</td>
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<tr>
<td>Wed</td>
<td>5</td>
<td>Putting Order Into the Insect World</td>
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<td>Fri</td>
<td>6</td>
<td>Entomologist's Paraphernalia</td>
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<tr>
<td>Mon</td>
<td>7</td>
<td>Insect Structure &amp; Function (Morphology 1)</td>
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<td>Wed</td>
<td>8</td>
<td>Morphology 2 (cont'd)</td>
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<td>Fri</td>
<td>9</td>
<td>Insect Structure &amp; Function-Internal (Physiology 1)</td>
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<td>Mon</td>
<td>10</td>
<td>Physiology 2 (cont'd)</td>
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<tr>
<td>Wed</td>
<td>11</td>
<td>Insect Metamorphosis &amp; Growth</td>
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<td>Fri</td>
<td>12</td>
<td>Insect Metamorphosis &amp; Growth (cont'd)</td>
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<tr>
<td>Mon</td>
<td>13</td>
<td>optional review for exam 1, Heep 101 5:30p-6:30p</td>
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<tr>
<td>Wed</td>
<td>14</td>
<td>1st MAJOR EXAM (1-12) 100 PTS*</td>
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<tr>
<td>Fri</td>
<td>15</td>
<td>Insects in Music, Literature &amp; Poetry</td>
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<tr>
<td>Mon</td>
<td>16</td>
<td>Insect Reproduction &amp; Behavior cont'd (TEAM assignments made)</td>
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<tr>
<td>Wed</td>
<td>17</td>
<td>Insect Reproduction &amp; Behavior</td>
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<td>Fri</td>
<td>18</td>
<td>Insect Communications (Demonstration)</td>
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<td>Mon</td>
<td>19</td>
<td>Insects as Models for Survival</td>
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<td>Wed</td>
<td>20</td>
<td>Insect Movement and Dispersal (Poems/songs due)</td>
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<tr>
<td>Fri</td>
<td>21</td>
<td>Insects That are Beneficial to Humans</td>
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<tr>
<td>Mon</td>
<td>22</td>
<td>Insects That are Beneficial to Humans (2)</td>
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<td>Wed</td>
<td>23</td>
<td>Insects as Food (Entomaphagy) (Poem performance opportunity)</td>
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<td>Fri</td>
<td>24</td>
<td>Insects in Art, Cartoons &amp; Movies (Poem performance opportunity)</td>
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<tr>
<td>Mon</td>
<td>25</td>
<td>Spring break</td>
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<tr>
<td>Wed</td>
<td>26</td>
<td>Spring break</td>
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<tr>
<td>Fri</td>
<td>27</td>
<td>Spring break</td>
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<tr>
<td>Mon</td>
<td>28</td>
<td>Insect/Plant/Animal Interaction</td>
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<td>Wed</td>
<td>29</td>
<td>Insect/Plant/Animal Interaction (cont'd)</td>
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<tr>
<td>Wed</td>
<td>30</td>
<td>optional daytime collecting trip, Lick Creek 5:00-7:00pm</td>
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<tr>
<td>Fri</td>
<td>31</td>
<td>Entomophobia, Delusory Parasitosis &amp; Allergies</td>
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<tr>
<td>Mon</td>
<td>32</td>
<td>Relationships of Insects to Human Disease (1) (Taxonomic Puzzle due)</td>
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<tr>
<td>Wed</td>
<td>33</td>
<td>optional review for exam 2, Heep 101, 5:30-6:30p</td>
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<tr>
<td>Wed</td>
<td>34</td>
<td>2nd MAJOR EXAM (13-30) 100 PTS*</td>
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<tr>
<td>Wed</td>
<td>35</td>
<td>optional night collecting trip, Brazos Ctr, 7:00-9:00pm</td>
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<tr>
<td>Fri</td>
<td>36</td>
<td>reading day no class</td>
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<tr>
<td>Mon</td>
<td>37</td>
<td>Relationships of Insects to Human Disease (2) (Team Projects Due)</td>
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<tr>
<td>Wed</td>
<td>38</td>
<td>Relationships of Insects to Human Disease (3)</td>
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<td>Fri</td>
<td>39</td>
<td>Insect Population Dynamics</td>
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<td>Mon</td>
<td>35</td>
<td>Control of Insect Populations</td>
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<tr>
<td>Wed</td>
<td>36</td>
<td>Integrated Pest Management</td>
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<td>Wed</td>
<td>37</td>
<td><em>optional pinning session, Urban Ctr, 5:00-7:00pm</em></td>
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<tr>
<td>Fri</td>
<td>38</td>
<td>Integrated Pest Management (cont’d)</td>
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<td>Mon</td>
<td>39</td>
<td>Insects as Endangered Species</td>
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<td>Wed</td>
<td>40</td>
<td>Economic Impact &amp; Future of PC</td>
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<tr>
<td>Fri</td>
<td>41</td>
<td>Forensic Entomology (pick up graded projects)</td>
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<tr>
<td>Mon</td>
<td>42</td>
<td>Using Insects for Teaching &amp; IPM in the Classroom</td>
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<tr>
<td>Wed</td>
<td>43</td>
<td><em>optional review for exam 3, Heep 101, 5:30-6:30pm</em></td>
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<tr>
<td>Fri</td>
<td>44</td>
<td>3rd MAJOR EXAM (31-42) 100 pts*</td>
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<td>Mon</td>
<td>45</td>
<td>review for optional final–last class</td>
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<tr>
<td>Tue</td>
<td>46</td>
<td>OPTIONAL COMPREHENSIVE FINAL 100 pts**</td>
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<td>*** 8:00-10:00AM, Heep, Room 101</td>
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**Learning Outcomes**

1. Students will be able to comprehend and evaluate the unique roles that insects have on planet Earth, and to define and comprehend the roles of this diverse life form, particularly as they relate to humans and their companion animals. Students will observe and evaluate unique teaching techniques and demonstrations that will enable them to synthesize and integrate the principles of entomology, to hold their interest, and to clarify the most pertinent information needed to perform well on assignments and examinations. They will learn the scientific methods used in Entomology, understand the steps involved, and demonstrate their abilities to differentiate between hypotheses, theories, and laws.

2. Students will be able to comprehend the taxonomic processes used to collect, identify and organize at least 24 insect orders and Suborders commonly found in Texas. They will synthesize this information and properly label and preserve these specimens as a reference collection.

3. Students will be able to demonstrate their abilities to comprehend and appreciate the influence that insects have had in defining the history of the world, and the role they have had in art, music and literature. Students will be able to synthesize this information and have the opportunity to increase their communication skills by writing and performing original songs and poems about insects in class as individuals or in small groups.

4. Students will be able to recognize and define terms, phrases and concepts relating to the morphology, physiology and biology of various insect groups by matching characteristics taught in class with choices on examination and oral reviews. Through comparing and contrasting, they will be able to evaluate insect structures as compared to human anatomy and behavior. Role playing and demonstrations will be done by students and the instructor, wherein they will apply the information learned and demonstrate insect movement, communication and control practices. Students will experience, and comprehend the concept of entomophagy by eating insects in prepared foods, and by discerning and categorizing different insect types and numbers found in common food items.
They will be able to evaluate the importance of insects in human diets and evaluate food choices based on Defect Action Levels.

5. Students will comprehend, appreciate and demonstrate their knowledge of insects, and comprehend their role as vectors of pathogens of humans and livestock, and synthesize and discuss methods used to protect themselves from insect attack and invasion.

6. Students will discuss and synthesize ideas for the “integrated management” of insect populations, and compare and contrast historical chemical controls with current “best management practices”.

7. Students will learn to work in teams to solve common challenges and demonstrate their abilities to provide an objective evaluation of their own, and other team members’, participation on that team.

8. Students will learn and demonstrate their interests in improving academic performance by following directions, attending classes, participating in group discussions, completing assignments on time, and by setting goals and time schedules for special assignments, extra credit opportunities, required examinations and the semester project. The examinations will require the use of both empirical and quantitative skills, as will the semester and team projects.

**Course Format**

The course utilizes a lecture format, online resources, and projects. Demonstrations and guest lecturers will augment the lecture and reading materials. The students are expected to check e-learning for supplemental information about each topic covered in lectures.

**Prerequisites: None**

**Requirements of the Course**

**Attendance**

The student is expected to be punctual and attend and participate in the entire class period, and in all phases of this course as per TAMU Student Rule 7.1.

**Notice about All Assignments**

All assignments must be turned in on time! “On time” means by the end of the day (5 pm) the project is due.
Writing Assignments (Required: 50 points)

This assignment is to understand the "scientific method", as it applies to science
1. Read an abstract and identify the hypothesis (10 points)
2. Read an abstract and answer 5 questions (10 points)
3. Read an assigned paper and write an abstract of 300 words (30 points)

Critical reading assignments will expose the student to primary literature on insects from current research articles published in major journals. The student will have a minimum of 3 weeks to complete each assignment. Students will be required to read the article associated with each assignment and answer a series of short answer questions about what has been read. All writing assignments will be available from the start of the semester. Writing Project will challenge students to use what has been learned about scientific writing and Entomology to write a summary/abstract of a current research article. The student will have most of the semester to complete this project.

Suggested Text

Texts that are useful to students, but not required, are: A Field Guide To The Insects by Borror and White and A Field Guide to Common Texas Insects by B.M. Drees and J.A. Jackman. The current version of the notepacket, which is prepared specifically for this semester's class, can be purchased at the MSC bookstore. All information may not be in the packet, so students must take notes during class.

Guest Lecturers

There will be guest lecturers from time to time during the semester. The student will be responsible for the information presented during these classes. There will also be a number of demonstrations, and the student will also be responsible for this information. The instructor is interested in ways to make this class more interesting, so suggestions and comments are always encouraged. If assistance is needed from a person other than the instructor, Dr. Pete Teel is the Associate Department Head for Teaching in the Department of Entomology. Dr. Teel can be reached at 845-3253.
Semester Project (Required*: 100 points)

Requirements for SEMESTER PROJECT: Arthropod Collection (REQUIRED)
The following instructions must be followed EXACTLY to make a PASSING grade on this project.

- The student must collect, preserve, and submit a minimum of 25 individually labeled arthropod specimens. No credit will be issued for projects with fewer than 25 specimens. A completed project must be submitted in order to pass this class!
- “Used” arthropods from another class, or someone else’s collection cannot be used—these must be “fresh” collections, made during this semester.
- Insect pins and vials will be provided (sewing pins are not acceptable for this project). The student must supply 70% alcohol, a display container with a lid, and a Styrofoam bottom into which the specimens are secured.
- Collection nets are available for check out. They MUST be returned or the student will receive an Incomplete (I) as their final grade. If the net is lost or stolen, the student must provide a comparable net as a replacement.
- Hard bodied arthropods go on an arthropod pin while, soft bodied specimens go in a vial with 70% alcohol. Consult e-learning.tamu.edu for specific instruction on preservation.
- Two labels will be required per specimen. The first label includes location of where the arthropod was collected, the date the arthropod was collected, and the collector. The second label is the identification of the specimen (where credit is sought, i.e. Order: Orthoptera).
- Labels should be placed on the pin in the following order: Insect (closest to the head of the pin), location label, classification label. Labels must be NO larger than ¾” X 1”. The labels must be on the arthropod pin for hard bodied arthropods. Pinned specimens must be arranged in an orderly manner and in an upright position, with the labels separated by a gap of X inch.
- Specimens placed in alcohol must be in a sealed vial with two labels in each vial. The labels must be placed back to back, printed side out, and must be written in pencil or printed on a laser printer.
- Small, adult specimens may have to be “pointed”. See the syllabus for instructions.
- “Pointed” specimens should be placed on a 1/8” X 1/4” cardstock paper point. Specimens must be adhered using standard white glue.
- Vials must be secured into holes cut in the Styrofoam, bottom end down. DO NOT glue vials to the display container. Only 1 specimen will be graded per vial, so do not put multiple specimens in the same vial.
- Students are expected to perform their own identifications. The student should consult http://e-learning.tamu.edu, field guides, the Internet, and lecture notes for assistance. Be sure to use a Subphylum, Class, Order, or Suborder that was covered in class. Other classifications found on the internet will NOT count.
- Neatness is considered in grading. Please take care in preparing the specimens and labels.
- Students should make every attempt possible to attend the pinning sessions when they are offered. Help on an Individual basis may be limited or not available outside of designated times.
- Projects must be HAND-Carried to the staff in Building 1051, Agronomy Road (The Urban Center) by 5:00 pm on or before the date projects are due. Make sure your project is individually “logged in” when presented.

Grading of the Arthropod Collection
- Three points may be awarded for each properly labeled and presented specimen, up to 90 total possible points.
- An additional 10 points will be awarded based on neatness, and the student’s ability to follow instructions.
- Each of the Subphyla, Classes, Orders, and Suborders may have a MAXIMUM of two representatives for each classification. However, the two specimens must be different species.
- You do NOT need specimens from all 32 orders discussed in class to receive full credit.
- Do not submit the work of others, even with permission. There is a 10-point per day late penalty.
- If the student has a disability or valid reason preventing him/her from fulfilling this requirement, see the professor within the first week of class. Optional projects are available, and will be granted on an individual basis, with justification and instructor’s approval.
*THE SEMESTER PROJECT MUST BE COMPLETED TO PASS ENTOMOLOGY 322*

List of Possible Classifications (For the Required Project)

**Subphylum:**
- Atelocerata (Insects, Millipedes, Centipedes) (Alcohol, Pinned, and Pointed)
- Chelicerata (Spiders, Scorpions,Ticks) (Alcohol)
- Crustacea (Pill Bugs/Sow Bugs/Roly Polies, Shrimp, Lobsters, Crabs) (Alcohol)

**Class:**
- Arachnida (Spiders, Scorpions, Ticks) (Alcohol)
- Chilopoda (Centipedes) (Alcohol)
- Diplopoda (Millipedes) (Alcohol)
- Hexapoda (Insects) (Alcohol Pinned and Pointed)
- Malacostraca (Pill/Sow Bugs, Shrimp, Lobsters, Crabs) (Alcohol)

**Order:**
- Blattodea (Cockroaches) (Immatures in Alcohol, Adults Pinned or Pointed)
- Coleoptera (Beetles) (Immatures in Alcohol, Adults Pinned or Pointed)
- Collembola (Springtails) (Alcohol)
- Decapoda (Shrimp, Lobsters, Crabs) (Alcohol)
- Dermaptera (Earwigs) (Alcohol)
- Diptera (Flies, Gnats, Mosquitoes) (Immatures in Alcohol, Adults Pinned or Pointed)
- Embiidina (Web-spinners) (Alcohol)
- Ephemerocera (Mayflies) (Alcohol)
- Hemiptera (True Bugs) (Immatures in Alcohol, Adults Pinned or Pointed)
- Hymenoptera (Ants, Bees, Wasps, Sawflies) (Immatures in Alcohol, Adults Pinned or Pointed)
- Isopoda (Pill/Sow Bugs/Roly Polies) (Alcohol)
- Isoptera (Termites) (Alcohol)
- Lepidoptera (Butterflies, Moths) (Immatures in Alcohol, Adults Pinned or Pointed)
- Mantodea (Praying Mantis) (Immatures in Alcohol, Adults Pinned or Pointed)
- Mecoptera (Scorpionflies) (Adults pinned, immatures in Alcohol)
- Neuroptera (Dobsonflies, Lacewings, Antlions, Owlflies) (Immatures in Alcohol, Adults Pinned)
- Odonata (Dragonflies, Damselflies) (Immatures in Alcohol, Adults Pinned or Pointed)
- Orthoptera (Grasshoppers, Crickets, Katydids) (Immatures in Alcohol, Adults Pinned or Pointed)
- Phasmatodea (Walkingsticks) (Immatures in Alcohol, Adults Pinned or Pointed)
- Phthiraptera (Lice) (Alcohol)
- Plecoptera (Stoneflies) (Alcohol)
- Psocoptera (Book Lice, Bark Lice) (Alcohol)
- Siphonaptera (Fleas) (Alcohol)
- Thysanoptera (Thrips) (Alcohol)
- Thysanura (Silverfish) (Alcohol)
- Trichoptera (Caddisflies/Rockrollers) (Alcohol)

**Suborder:**
- Anoplura (Sucking Lice) (Alcohol)
- Mallophaga (Chewing Lice) (Alcohol)
- Authentica T flooded (Cicadas, Leafhoppers) (Immatures in Alcohol, Adults Pinned or Pointed)
- Heteroptera (True Bugs) (Immatures in Alcohol, Adults Pinned or Pointed)
- Sternorrhyncha (Aphids, Scales, White Flies) (Use alcohol, or pin the leaf with Scale attached)
Taxonomic Puzzle (Required: 50 Points Possible)

This assignment is designed to supplement the lectures on the classification of insects and other arthropods, and to encourage the student to stay current in learning the “orders of the day”, which will be covered on the first two major examinations. This information will also be critical to the students when completing other assignments including: Virtual Collection Jar (team project), Semester Project (Arthropod Collection) and Poem or Song. This assignment is based on the format of a cross word puzzle wherein pictures (across and down) will be given which pertain to the taxa that are assigned to the specific arthropods for identification and communications among scientists and students. The assignment is to match the possible taxa (Domain, Kingdom, Phylum and the other designation listed on page 9 of the syllabus). The responsibilities are for the student to consider the pictures, and fill in the cross word puzzle making sure the spelling is correct and the number of letters in the answer fit the puzzle matrix. The student will receive an individual puzzle on e-learning, and will submit the answers through e-learning using the format at that site. Each picture has one of 42 possible answers, so the pictures must be considered carefully before submitting the work. Late work will be penalized at 10 points per day, so the submission should be timely. Again, you must use either Firefox or Google Chrome web browser.

TEAM PROJECT: Virtual “Collecting Jar” (Required: 50 total possible points)

See Course Schedule for Due Dates

The instructor will divide the class into five (5) member teams, with one member being elected (by the group) as the “Team Leader”. The Team Leader will be responsible for submitting the groups answers via eLearning. All team members will share in the points earned based on the number of correct answers, and their level of participation in the processes involved in completing the assignment.

From digital files, each team will be given 50 images of various arthropods which they will classify into the appropriate taxa, as indicated with the image. The answers to the questions concerning classification will then be submitted BY THE TEAM LEADER to the instructor via the assignment tab on e-Learning. All of the answers must be spelled correctly to receive full credit (check the syllabus). There will be a 10 point-per-day penalty for late work.

The students will be required to use the discussion forums located in e-Learning for their group. Each student must participate and there must be clear evidence of communication, otherwise the non-participating student will receive a “0” (zero) for the assignment. A survey document will be used by the student to evaluate both their and other team member’s participation on this assignment. The results of this evaluation will be used to assign points for this project. Students will lose points for failing to complete the peer survey. A total of 40 points will be awarded based on correct answers.
submitted by the group leader. An additional 10 points may be awarded based on participation. If a group member does not participate, no points will be awarded.

There are also five assigned open ended questions (10 points each) presented to each team during the semester. These questions will be presented at different times during the semester to relate to specific concepts presented in lectures. Each team will consider and evaluate each question, compare and contrast various answers, and then submit their answer as a unified group. A single report, not to exceed 200 words will be organized, justified, and submitted by the team leader via eLearning for each of the five questions. These five reports will be graded on originality, completeness, and conclusions reached (10 points each for a total of 50 points).

**Student Classroom Presentation (Required: 10 points)**

Each student is **required** to submit a song or a poem. The work must be submitted in writing, through e-learning. **Poem/song must be typed and not handwritten.** The song or a poem must be about an arthropod. The Order/Class of the subject must be indicated. This work may be of any reasonable length (minimum of 6 lines per student). If the student chooses to work on this with another student(s), each student must contribute a minimum 6 lines. Each student must submit a copy of the work with their portion clearly delineated. Be creative but sensitive to your fellow students! Refrain from using offensive language and themes. Guidelines (see page 5) should be followed for submission of the work on e-learning. Check the schedule for the due date. Be sure that a confirmation message is received from the instructor that the work has been received on time. Work turned in after the due date receives “0” (zero) credit.

The poem/song may be performed in class for extra credit (5 points individual/10 points group). During the specified class periods, the poem/song must be **performed or read to the class** in order to earn the 5/10 extra credit points. Individual submissions and performances will earn 5 points of extra credit. Group projects will earn 10 points of extra credit for each team member who participates and performs the assignment. The poem must be submitted through eLearning. It may also be presented to the class either as individuals, or with a group (2 or more). The student will not get credit if the poem or song is not submitted on time.
Required Examinations: 300 Possible Points (Minimum of Three Examinations)
See Schedule of Lectures for Dates

There will be three REQUIRED major examinations during the semester. Each major examination is worth 100 points and will cover the lectures (including Insect Orders) presented since the last examination (see schedule for details), and Information from the syllabus. If an order is mentioned in a lecture, it can be included in the next examination.

Note: There will be assignments to find, view, consider, and understand references, or link to a specific website, article or video presentations which will supplement lecture topics. That information will be used as questions in any of the exams.

The optional, comprehensive examination is available for students who have missed an exam or achieved a poor score on one of the major examinations. This comprehensive exam is worth 100 points, and must be taken at the time and place of the final examination for the semester. The score from this examination will be substituted for a missing examination, or for the lowest exam score during the semester. NOTE: the comprehensive final does NOT take the place of the required semester project, team project, or student classroom presentation.

The following statement will be printed on each exam, and all students will be required to sign it: “On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work.” All students must present their official TAMU ID when turning in the test. If a student is caught cheating on a test they will receive a score of “F”, in the course and will be reported to Aggie Honor System Office for academic dishonesty.

Each student is required to SIGN, DATE, MARK CORRECT TEST FORM (A, B, or C), and indicate which exam is being taken on their scantron. Test forms are assigned to students by individual seat number. It is the student’s responsibility to make sure that they are using the correctly assigned test and scantron. Failure to follow instructions may result in a grade of 0 for the test grade.

Make-up examinations will ONLY be given if the student presents an official University excuse.

Course Web Page
The website is located through the Howdy Portal at: http://e-learning.tamu.edu
This page will give updates on what is happening in the class, recommendations for assignments, current grade reports, and links to interesting entomology pages, as well as copies of the syllabus, the lecture schedule, and reading assignments. The student is required, and expected, to check the e-learning site at least weekly for updates and assignments, review sheets, and further suggestions. Students must use Firefox as their internet browser.
Grading

In order to earn a passing grade in this course, **ALL** required assignments and examinations must be completed and submitted to the instructor. Late work will be penalized. See the “Notice about All Assignments” section for guidelines. Final grades will be calculated based on the total points earned during the semester. The instructor reserves the right to scale the grades based on class performance, absences, and extra credit assignments. A summary of the points available is as follows:

- Examinations (3): 300 (48%)
- Collection: 100 (16%)
- Team Projects: 100 (16%)
- Presentation (poem): 25 (4%)
- Writing assignment: 50 (8%)
- Taxonomic Puzzle: 50 (8%)

Total: 625

Grading Scale (Percentage of 625 points possible:
- 90-100=A
- 80-89=B
- 70-79=C
- 60-69=D
- 0-59=F (not passing)

Academic Integrity Statement

An Aggie does not lie, cheat or steal, or tolerate those who do. This policy will be enforced on all assignments and examinations.

American Disability Act

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If the student believes he or she has a disability requiring an accommodation, it is their responsibility to contact the Department of Disabilities Services, Cain Hall or call 979-845-1637 (email disability@tamu.edu). If the student needs these services, let the instructor know two weeks before the first exam.
NOTE TO STUDENTS*:
The handouts used in this course are copyrighted. By "handouts", it is meant all materials generated for this class, which include, but are not limited to, the syllabus, quizzes, examinations, in-class materials, review sheets, problem sets, and video clips. Because these materials are copyrighted, no student has the right to copy the handouts, unless the instructor expressly grants permission. The instructor has authorized NO CLASS NOTES other than those made available through this class.
As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, THE STUDENT IS COMMITTING PLAGIARISM IF THE WORK OF ANOTHER PERSON IS COPIED AND TURNED IN AS HIS OWN, EVEN IF PERMISSION FROM THAT PERSON HAS BEEN GIVEN. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. Plagiarism will not be tolerated in this course. Offenders of this policy will be punished according to University policies, which may include being expelled from the institution. In addition, there will be no cheating of any type tolerated in this course. All examinations will be proctored, and all excused absences will be checked.
If the student has any questions regarding plagiarism, he or she should consult the latest issue of the Texas A&M University Student Rules, under the section "Scholastic Dishonesty"

* Statemen: from the Texas A&M University Faculty Senate-January 9, 1997