Welcome to ENTM 10500

Fall 2010: MWF MTTW 210

Instructor: Prof. Jonathan Neal

Office hours: Arranged WSLR 120

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(or use blackboard mail (preferred))

Entomology 10500 is a first course in the study of insects. The course introduces students to important principles of biology, insects as a life form and the interactions of insects and humans. The course utilizes a lecture format with tests, assignments and projects.

Course Outcomes

Upon successful completion of the course, students will:

1. Understand major principles of modern biology.
2. Appreciate insects as a unique life form.
3. Know details of important insect species.
4. Understand ecology and some roles of insects in the ecology of the earth.
5. Understand how some insects and humans interact.

Assessment

Grades will be based on the following grading activities.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project 1</td>
<td>100</td>
</tr>
<tr>
<td>Project 2</td>
<td>100</td>
</tr>
<tr>
<td>Homework</td>
<td>140</td>
</tr>
<tr>
<td>Quizzes</td>
<td>200</td>
</tr>
<tr>
<td>Final</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>690</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>690*</td>
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<tr>
<td>A</td>
<td>655</td>
</tr>
<tr>
<td>A-</td>
<td>628</td>
</tr>
<tr>
<td>B+</td>
<td>607</td>
</tr>
<tr>
<td>B</td>
<td>572</td>
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</tbody>
</table>
Readings

Required Reading: 
Living With Insects, Jonathan Neal, 2010, Kendall Hunt

Supplementary Reading for Assignments will be posted on Blackboard

Information About Class Activities

1. Projects: Two (2) class projects are required. Projects should be chosen from the following list.
   Students should declare the 2 projects they will undertake on the second Friday of the semester.
   Project due dates are listed on the home page. Final projects are due by the end of class on the due date.
   Project grades will be discounted 5 points for each calendar day late.  Projects for F10 are:
   - Insectiganza Team Project
   - Research Paper
   - Insect Pet
   - Insect Costume
   - Children's Book

2. Assignments: Fourteen homework assignments will be given. The homework must be turned in by
   the due date to receive full credit.  Homework is graded on a scale of Outstanding, Good, Marginal,
   and Unacceptable.  To translate these into points, Outstanding = 100%, Good = 80%, Marginal = 50%
   and Unacceptable =0%.  Late assignments will lose 10%.

3. Tests: Thirteen weekly tests will be given. The weekly test will be multiple choice and/or matching
   and will be over material covered since the last weekly test (normally three class periods).  The top ten
   test scores will be counted.  Online reading quizzes will be available to practice for the weekly test.

4. Final exam:  This is a comprehensive test consisting of questions similar to the weekly quizzes.

Re-grading Policy

Students may request that items be reevaluated for a higher score. Requests must be in writing with a
statement of why the assigned score was not appropriate. No re-grading will be done until the final
scores are summarized and only if a higher score on the item(s) will improve the letter grade of the
student. It is the student's responsibility to provide evidence of grades on returned material in the case
of a grade appeal. We will store final tests, and projects until the eighth week of the next semester.

Bonus Points

Students can earn up to 25 bonus points during the semester. Students with enough Bonus Points will
earn one, half-letter.  Bonus point activities are designed to give the student an opportunity to learn
about entomology or reinforce concepts presented in the class in a setting not possible during a 50-minute class period.

Bonus activities:
- Bugwalk: (10 pts) Hands-on insect activities.
- Movie Night: (10 pts) Insects or an insect theme. Evening, 2 hrs.
- Attendance (5 pts)

University Shutdowns and Emergencies

Under some circumstances (Snow Emergencies, Flu Emergencies, etc) the university may officially close. I will post information on the Blackboard site to keep you informed.

Students with Documented Disabilities

Purdue accommodates students with documented disabilities. Students with disability (including those with temporary disabilities) should contact ODOS/DRC.

http://www.purdue.edu/odos/drc/welcome.php

It is necessary for students with documented needs to inform the instructor (or ODOS) in a timely fashion. I will be happy to meet with students to arrange accommodation.

Courtesy

Large lecture classes require special rules to minimize distractions and enable everyone to maximize the benefit of attending class. As your instructor, it is my role to provide the best learning environment possible. My rules include:

1. **No talking.** Talking is rude because it disturbs others. Individuals that cannot refrain from talking in class will be asked to move apart.
2. **Turn cell phones off.** Everyone should know this.
3. **Do not multitask-** Games and movies on your iPad, laptop or PED are distractions for you and your neighbors. Keep them turned off.
4. **If you MUST leave early-** Please sit on the end of the aisle near the back so you do not disturb others.
5. **If you come late-** Please try to quietly sit in an aisle seat. To those who come on time, please leave the aisle seats open so tardy students can sit quickly and quietly.
6. **If you need to speak with me after class-** Wait until I have put away my equipment and meet me near the exit. We will speak outside the room to allow the next class to set up.
7. **Thank you in advance** for honoring these requests and working to make this class a great experience for everyone.

Cheating

Cheating will not be tolerated! Cheating includes (but is not limited to) such things as copying homework, falsifying reasons for missing class, copying other students answers or using materials during tests, or having someone produce a paper or project for you. Cheaters will receive an F for the assignment in question. A second incidence of cheating will result in an F for the class and the Dean of Students will be notified of the infraction.
Use of Tutors

Since tutors sometimes do not play a legitimate academic role their use in this class is prohibited unless supervised by the Department of Entomology. However, students who have difficulty with writing English are encouraged to fully utilize the resources available through OWL.

Plagiarism: Reports are to be in student's own words. Plagiarism, including verbatim copying of text from the internet and using intellectual property without appropriate citation is not acceptable. Assignment 1 contains instructions on citations that you will use in this class.

Entomology 105 - Class Rules

I. Tests

Weekly Tests
1. Thirteen (13) multiple-choice weekly tests will be offered.
2. Ten (10) weekly test scores will be counted (the 3 lowest weekly test scores will be dropped when final score is calculated).
3. The first three missed weekly tests cannot be made up for any reason.
4. A weekly test may be made up when: the student was absent for an approved reason on the day the test was given, and the missed test is the third (3rd) or more excused absence on a weekly test day. (To make up one test you would need at least 4 excused absences.)
5. Excused absences may be granted for missed weekly tests by filing an excused-absence form within 7 calendar days of the return to classes following the absence. Excused absences are recorded and used to determine eligibility to make up weekly tests.
   a. Excused-absence forms must be signed by a third party (or documentation of the absence provided in some other manner).
   b. Excused absences are generally limited to University activities, health problems, family emergencies and interview trips.
   c. Weekly tests missed because of late enrollment in the class count as excused absences and cannot be made up.
6. Any missed weekly test(s) must be made-up within 7 calendar days of the students return to school.
7. Make-up weekly tests will consist of short-answer questions.

Final- The final will occur on finals week (time/date to be scheduled by the registrar)

II. Dropping the class.
Students who drop the class when a grade is required will receive a passing grade (W) if they have a percentage score exceeding 60% of the work completed to date.

III. Homework Assignments and Projects are due as indicated on Blackboard.

IV. Tardiness
It is important to be in class on time. Entering the room late is distracting to other students. Announcements are made at the beginning of class.
Helpful Hints for Success in ENTM 105

. Don't miss class. Half of the questions for the weekly tests come from material presented during class. Classmate's notes or purchased notes may help but are not a good substitute for being in class. Specific details for assignments may be covered in class.

. Study the reading assignments. One third of the weekly test questions come directly from the reading.

. Be sure to turn in all assignments. Almost half the points in the class are assignments or projects. Take all the weekly quizzes. Even though you can drop three weekly tests, good students don't see that as a reason for skipping a test.

. Turn in assignments on time. Five to 10 students each semester receive a half letter grade lower than they would have received because points were deducted for late submission.

. Earn the maximum number of bonus points. Between 10 and 15% of the class will receive a higher letter grade because of the bonus points they earned.

. Learn new words and concepts. You will be expected to know all the material presented in class or the reading assignments.

. Start your projects ASAP. Last minute projects generally receive poorer grades than those completed during the course of the semester. Starting your project early will enable you to receive feedback and make necessary adjustments.

Lecture Topics & Assignment Due Dates: Fall 2010

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Assignment</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/23</td>
<td>Introduction</td>
<td></td>
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</tr>
<tr>
<td>8/25</td>
<td>Animal characteristics</td>
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<tr>
<td>8/27</td>
<td>Insect history</td>
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</tr>
<tr>
<td>8/30</td>
<td>Collecting insects</td>
<td></td>
<td></td>
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<tr>
<td>9/ 1</td>
<td>Insect rearing</td>
<td>1</td>
<td></td>
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<tr>
<td>9/ 3</td>
<td>Insect nutrition</td>
<td>2- Project</td>
<td>Choice</td>
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<tr>
<td>9/ 6</td>
<td>No Class, Labor Day</td>
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<tr>
<td>9/ 8</td>
<td>Metamorphosis</td>
<td>3</td>
<td>2</td>
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<tr>
<td>9/ 10</td>
<td>Cuticle &amp; molting</td>
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</tr>
<tr>
<td>9/ 13</td>
<td>Internal anatomy</td>
<td></td>
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<td>9/ 15</td>
<td>Locomotion</td>
<td>4</td>
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<td>9/ 17</td>
<td>Flight</td>
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<tr>
<td>9/ 20</td>
<td>Insect mating</td>
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<tr>
<td>9/ 21</td>
<td>Insectiganza Training</td>
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</tbody>
</table>
Insect taste and smell 5 4

**Insectiganza Training**

Orientation

Invasive Species, Guest Jodie Ellis

**Beetles** 6 5

**Beetles**

**Beetles**

**Lepidoptera** 7 6

**Lepidoptera** Outlines due

**No Class- October Break**

**Insectiganza**

**Flies** 8 7

**Flies**

**Bees/wasps**

**Bees/wasps**

**Bees/wasps**

**Ants**

**Ants**

**Ants**

Insect costumes

Costumes Due

**Roaches**

**Termites** 11 10

**Insects as food/ Insect Tasting**

**Special Guest- Prof. Linda Mason**

**Paraneoptera**

**Bed bugs:** 12 11

**Vision**

**Orthoptera and other Neoptera**

**Orthoptera and other Neoptera** 13 12

**Insect sound**

**Insects, literature and history**

**No Class- Thanksgiving Break**

**No Class- Thanksgiving Break**

**Dragonflies**

**IPM** 14 13

**Forensic Entomology**

**Book Contest/ Insecticides**

**Risk/Regulation**

**Insect Control Devices**

Projects Due

**Final- Date To be announced (Dec 13-18)**