ENTM 8910  TEACHING PRACTICUM

1) Credit: 1 semester hours (Laboratory: W 1:00-3:00 pm)

Prerequisites: Departmental approval

Instructor: Dr. William J. Moar, Professor in Entomology
Office: 353 Funchess Hall; Laboratory: 368 Funchess Hall
Telephone: 844-2560 (office); 844-2566 (laboratory)
E-mail: moarwil@auburn.edu
Office Hours: M/W/F: 8:00 - 10:00, or by appointment

2) Textbook – none required

3) Course Description: PLPA 8910 TEACHING PRACTICUM (1). LEC. 1. F, SP The teaching practicum will address the practical and theoretical issues of laboratory learning and facilitating the skills of pedagogy. This course is required of all Ph.D. candidates.

4) Course Objectives: The teaching practicum is an opportunity to practice theories and approaches to facilitating learning in classroom and laboratory settings. Graduate students will have the opportunity to develop, organize, and prepare laboratory demonstrations and experiments utilizing multimedia tools and practice oral communications skills. By assisting university professors, students will observe classroom dynamics and refine and expand their teaching skills.

5) Course Content:

Outline:

Class session will vary based on the class assigned to the graduate student. Students will spend variable amounts of time preparing for oral presentations and laboratories utilizing approximately two hours.

I. Organizational meeting to schedule presentations and discuss responsibilities.

II. Prepare class or lab materials following the lab schedule, post lab outlines on the university web site blackboard, collect and prepare all materials needed for the lab class meeting.

III. Conduct weekly labs throughout the semester. Grade weekly assignments and post grades on the current university web site blackboard. All assignments will be graded and posted in a timely fashion (within 7 days).

IV. Compile all weekly grades, lab reports, lab practical exams, and final exam. Turn the grades into the professor.

V. Written evaluations and suggestions will be completed by the faculty and the student to review the class or lab and suggest changes for improvement. This is a learning experience and these comments are to help improve future presentations.
6) Course Requirements / Evaluation:

Grading System:
This is an SU graded course. Students are expected to meet all professional responsibilities including attendance, punctuality, appearance and professional relationships. Principle criteria for evaluation include:
1) Quality of class or lab materials prepared,
2) Timeliness of the assignment grading and posting,
3) Student evaluations,
4) Attendance is required for all class or lab meetings.
Students who miss a lab meeting without a University-approved excuse will receive an unsatisfactory U grade.

7) Course Policy Statements:

Class: Two hour of laboratory or lecture presentation per week. Class participation is required.

Late Submissions: It is the students’ responsibility to prepare all laboratory materials and upload them on the current university web site. Students will also be responsible for grading the weekly lab assignments and posting grades. If a serious situation arises and the student anticipates he/she will not be able to meet a deadline, it should be discussed with the professor before the due date.

Learners with Disabilities:

Auburn University is committed to providing accommodations and services to students with documented disabilities. Any learner with a qualified disability which requires accommodations should contact The Program for Students with Disabilities, 1244 Haley Center, Auburn University, AL 36849, 334-844-2096 PH, 334-844-2099 FAX. More information is available on their website at www.auburn.edu/disability. The office will fax or mail the required forms to learners to apply for services. Learners who have questions to participate in this course should contact the above office in advance to ensure proper accommodations.

Plagiarism and Academic Dishonesty:

Plagiarism is the act of presenting directly or indirectly someone else’s work as your own. Plagiarism is a major type of academic dishonesty and will not be tolerated. Similarly cheating on tests in any way, falsifying bibliographies, fraudulent quotes, and similar practices are intolerable forms of academic dishonesty. The University’s policy for academic misconduct in the Student Code of Conduct will be followed for this course (Tiger Club, pp. 83 and 92). Please contact the instructor for any questions regarding its contents.

8) Justification for Graduate Credit:
Topics to be discussed require background knowledge at the advance graduate level. Students must be able to acquire, analyze, present and discuss complex data and scientific concepts in an academically-rigorous setting.
Lab Syllabus/Outline  
Economic Entomology ENTM 4020  
Fall Semester 2008  
Room 354 FS

<table>
<thead>
<tr>
<th>Lab</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Movie: Alien Empire</td>
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<tr>
<td>Week 2</td>
<td>Field trip on campus to collect insects. Proper methods in preserving insects</td>
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<tr>
<td>Week 3</td>
<td>Basic Arthropod morphology; Insects and related arthropods; Use of microscope Work on collections</td>
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<tr>
<td>Week 4</td>
<td>Basic Arthropod morphology; Work on collections</td>
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<tr>
<td>Week 5</td>
<td>Insect Orders and selected families; Work on collections</td>
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<tr>
<td>Week 6</td>
<td>Insect Orders and selected families; Work on collections</td>
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<tr>
<td>Week 7</td>
<td>Practical Exam #1; Collection#1 Due</td>
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<tr>
<td>Week 8</td>
<td>Insect Pests of Row Crops</td>
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<td>Week 9</td>
<td>Insect Pests of Turfgrass</td>
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<td>Week 10</td>
<td>Greenhouse/Ornamental Pests; Biological Control Agents</td>
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<td>Week 11</td>
<td>Field Collecting</td>
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<tr>
<td>Week 12</td>
<td>Field Collecting</td>
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<tr>
<td>Week 13</td>
<td>Reading pesticide labels, Pesticide Applicator Video, Safety and use of Insecticides</td>
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<td>Week 14</td>
<td>PSRC</td>
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<td>Week 15</td>
<td>Practical Exam #2; Collection #2 Due</td>
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Laboratory Supplies Needed for Collecting Insects:  
1 collecting box; Insect Pins: Size #3  
(Both items can be purchased through the F.S. Arant Entomology Club)  
Kill Jars/ Ziploc Bags; Insect collecting Vials/Alcohol  
Nets

Required Collections:  
Collections #1 & 2 must total a minimum of 30 different arthropod species from 10 orders properly mounted and labeled. Identified to Class and Order (Insecta only). Only 3 specimens can be outside Class Insecta, but all three can still count for up to 3 of required 10 orders if appropriate. **On a separate piece of paper or other means (discussed in class), state whether each insect is destructive or beneficial (best guess).** Each specimen = 2.5 pts: 1 pt for being there, 1 pt for proper identification, ½ point for neatness: proper pinning/pointing/labeling, no missing parts

Collection #1 is due by the end of YOUR 7th lab period. This collection must contain 10 (30) species from at least 3 (10) orders. Collection #2 is due by the end of YOUR 14th lab period. This collection must contain at least 30 species (total) from at least 10 orders (total). Note: In your final collection, you must also include (e.g. off to the side) your original 10 insects. If you are ambitious, you can turn in your entire collection on the 7th lab period. (Note: Collecting and identifying insects for your collection early also helps to prepare you for your first lecture midterm)