General Course Information:

Meets: M-R 9.00am-12.50pm  
Instructor: Melissa Scherr  
Office Hours: T/R 1-3pm  
Location: Lecture/Field Lab  
Format: Lecture/Field Lab  
Materials: Reading materials available online  
Lecture slides will be posted to Blackboard  
Field Collection materials will be assigned

GENERAL COURSE SCHEDULE:

<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE</th>
<th>LAB</th>
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</thead>
</table>
| 1    | Introduction/Overview  
Insect Orders  
Collection Techniques  
Sample Preservation  
Life Cycle/ Development  
Anatomy of Insects | Collection (on going)  
ID Key How-to  
Begin course collections  
Preservation Techniques  
Degree Day Models  
Dissection |
| 2    | QUIZ 1 – MONDAY, 9 am  
Evolution of Insects  
Crypsis/Mimicry  
Co-Evolution  
Plant/Insect Ecology  
IPM  
Conventional vs. IPM Debate  
Field Trip: HJ Andrews | Evolution of Flight  
Field Observation  
Insect damage  
Aphid Mummies  
Saturday, August 1st - Sunday, August 2nd |
| 3    | Midterm 1: MONDAY, 9am  
IPM and Parasitism  
Hormone systems in Insects  
Hormones and IPM  
Bioindicators  
Insect Communities  
Aquatic insects  
Insect Systematics | Aphid Wasps  
Social insects and hormones  
Bedbugs  
Community analysis  
Case-building mechanics  
Character Tree |
| 4    | QUIZ 2: MONDAY, 9am  
Medical Entomology  
Forensic Entomology  
Insects and Society  
Open- Choice Lecture  
COLLECTIONS DUE  
FINAL EXAM | Field Lab-Forensics  
Friday, August 14—8.00am  
Friday, August 14—8.00am |
STUDENT RESPONSIBILITIES

Attendance  Attendance will not be taken; you are expected to attend class to turn in class work. There will be something due each day of lecture.

Collection  You will be expected to complete an insect collection for a part of your overall grade. I will be available to help you and there will be many opportunities to add to your collection and work on it over the 4 weeks of class.

Field Trip  There is one field trip required, it is scheduled for Saturday, August 2nd with return on Sunday, August 3rd. We’ll be doing a lot of collecting and working on field techniques associated with studies in Entomology, and there will be scored assignments to turn in. We’ll discuss this more as it approaches.

Grading

<table>
<thead>
<tr>
<th></th>
<th>PTS</th>
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<tbody>
<tr>
<td>In-class work</td>
<td>150</td>
</tr>
<tr>
<td>Quizzes (2)</td>
<td>25</td>
</tr>
<tr>
<td>Midterm</td>
<td>50</td>
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<tr>
<td>Final</td>
<td>50</td>
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<tr>
<td>Field Trip</td>
<td>100</td>
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<tr>
<td>Collection</td>
<td>100</td>
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<tr>
<td>TOTAL</td>
<td>500</td>
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