Instructor Information:
Dr. Linda Mason
Professor
Office 105B Smith (West end of building near Lilly Hall east exit)
Phone 494-4586
Email - lmason@purdue.edu

Course Objective:
ENTM 210 provides students with the opportunity to learn about insect behavior, largely from a natural history perspective, and to initiate introductory analysis of behaviors. The course is required for entomology majors, but is appropriate for others with little science background and an interest in insects and behavior. Students will be introduced to the underlying structural and physiological bases of behaviors and selected functional aspects of behavior, including spatial orientation and movements, behavioral periodicities, communication behavior, feeding behavior, defensive behavior, reproductive behavior, and social behavior and methods for conducting behavioral research.

Text:
None - although there are some references that will help you if need supplemental information:

Alcock, J. Animal Behavior An Evolutionary Approach

I will be handing out informational sheets/study guides/power point presentations that can be used for supplementing your notes. You are responsible for keeping a notebook of all handout material. All are fair game for quizzes and exams.

Expectations

Attendance and Participation
I do not take attendance but will soon take note if you are consistently absent. Students are encouraged to attend every class period since lectures, handouts, discussions and films provide valuable information and the opportunity for learning. Since there is no text book, lectures are critical to obtaining information necessary. Handouts will be used to supplement lecture material. Students are expected to read and study all handouts. Handouts will be provided at the beginning of class. If you miss class, you are responsible for obtaining a copy of the handouts from the class box outside my office. I will not bring them to the next class period.
Quizzes:
In order to assist students in keeping on track with the information delivered during lecture, weekly quizzes (each Friday) will be given throughout the semester. Each quiz will be worth 10 points, will be given at the beginning of the class (try to be on time - I will not wait for you) and should take less than 10 minutes (most finish in less than a minute). Missed quizzes will not be allowed to be made up without PRIOR permission of the instructor (and only with valid excuses). If you are sick – please email prior to class that you are sick so that I am aware of this and can prepare a make-up quiz). Most quizzes are 5 multiple choice question but occasionally there will be a short answer question. You will be allowed to drop one only quiz. So use that quiz for weddings, over sleeping, graduation parties, etc. Other missed quizzes will be counted as zero. I will return graded quizzes on Monday. Save your graded quizzes to study for exams and to verify scores in case there is a grade book error.

Semester Exams:
3 hour long exams (not comprehensive) will be given during the semester during the class period. Each exam will include several types of questions, including definitions, matching, fill in the blank, and short answer. Many questions will be taken directly from the quizzes so taking and reviewing all the quizzes will give you at least 15-20% of the points on each exam. A 4th exam will be given during finals week and will include only material since the 3rd exam. Missed exams will not be allowed to be made up without PRIOR permission of the instructor.

Grading
Quizzes - 14 quizzes - 10 points each - 140 points total
Exams - 3 semester exams - 100 points each = 300 points total
4th Exam - during Final Exam week - 100 points = 100 points total

Course Total = 540 points (A= >90%; B>80%; C>70%; D>60%)

Academic Honesty:
Academic dishonesty in any form will not be tolerated. See student handbook for guidelines on what constitutes dishonesty if you are unsure. The use of crib sheets, notes or copying during quizzes or exams is considered wrong. Knowingly aiding or assisting, directly or indirectly, other parties in committing dishonest acts is also wrong and will not be tolerated. If you are found committing academic dishonesty, you will be referred to the Dean of Students.

Class Policy
Students are expected to treat others with respect. It is important for students to be able to understand and entertain opinions that may differ from their own. Class discussions and appropriate questions are encouraged. Participation in study groups is also encouraged.
Students with Disabilities:

Students with disabilities are expected to meet the same academic standards as all other students. However, in some cases it may be necessary that students receive academic adjustments to make the educational opportunity more accessible. To receive academic adjustments, a student must register with, and provide appropriate documentation of his or her disability to the Adaptive Programs staff of the Office of the Dean of Students. The DOS will provide written notification of the effects of the functional limitations of the student's disability, and of the academic adjustments a student is entitled to for equal opportunity in his or her coursework. It is however, the student's responsibility to bring his or her disability to the instructor's attention within the first three weeks of the beginning of the class, and discuss with the instructors as to how adjustments specified by the DOS will be handled.

LECTURE SCHEDULE
(Topics are Subject to change but exam dates will remain the same)

SPRING 2010

Lecture 1  January 11  Introduction - What is Behavior?
Lecture 2  January 13  How and why questions; Anthropomorphism,
Lecture 3  January 15  Quiz 1 – General Insect Structure and Function

January 18  Martin Luther King Day - No Class
Lecture 4  January 20  General Insect Structure and Function - Learning
Lecture 5  January 22  Quiz 2 – Structure and Function – Visual Systems
Lecture 6  January 25  Visual Systems – Olfactory Systems
Lecture 7  January 27  Olfactory Systems – Chemical Systems
Lecture 8  January 29  Quiz 3 –
Lecture 9  February 1  Migration – Individual vs. Population Movements
Lecture 10  February 3  EXAM 1
Lecture 11  February 5  Quiz 4 – Migration Immediate and delayed reactions
Lecture 12  February 8  Immediate and delayed reactions
Lecture 13  February 10  Electroantennograms – Chemical Identification
Lecture 14  February 12  Quiz 5- Chemical Communication
Lecture 15  February 15  Internal vs. External Chemical Communication
Lecture 16  February 17  Pheromones
Lecture 17  February 19  Quiz 6 - Mechanoreceptors
Lecture 18  February 22  Sound production - reception
Lecture 19  February 24  Vocalizations – sound reception
Lecture 20  February 26  Quiz 7 – Visual Communication
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<td>Waggle Dance – Social Insect Communication</td>
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<td>Final Exam</td>
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Student Information Questionnaire

Name: __________________________________________

Email: __________________________________________

Major___________________________________________

Have you taken any other entomology classes? Which?
________________________________________________________________________
________________________________________________________________________

Have you taken any other "science" classes? Which?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Why are you taking this course? ______________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

What do you intend to do after graduation?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________