EEBL 608 Integrative Animal Behavior

Day: MW  
Time: 2-3:15 pm (75 min.)  
Location: ILSB 3145  
Number of Credits: 01 Credit

Instructors:
Prof. Gil Rosenthal  
Department of Biology  
Room 203A, Butler Hall  
Phone: 979-255-6119 (cell)  
Email: grosenthal@bio.tamu.edu  
http://swordtail.tamu.edu  
Office hours: by appointment

Prof. Gregory Sword  
Department of Entomology  
Room 114C, Entomology Research Lab  
Phone: 979- 862-1702  
Email: gasword@tamu.edu  
http://swordlab.tamu.edu  
Office hours: by appointment

E-mail will be the primary means of communication for the course. Check your email often and keep your mailbox below quota! Go to elearning.tamu.edu for course materials.

Course prerequisites: Graduate classification.

Course description: This final component of the Core Sequence in Ecology & Evolutionary Biology examines how behavior contributes to survival and reproduction, and in turn how evolutionary history and ecological circumstance interact to shape the expression of behavior. The major focus of the course will be the integrative nature of behavior: the interaction of evolutionary processes, mechanistic constraints, and ecological demands involved in selecting for a set of behavioral strategies.

Course requirements:
- Attend all lectures. Absences for previously scheduled activities will only be excused if they are communicated well in advance. If you have not discussed an absence with instructor ahead of time, it will be considered unexcused unless proper documentation is provided. See http://student-rules.tamu.edu/rule07.
- Read all required material (original papers, review papers, and textbook chapters).
- Participate actively in discussions. Each day, one or more students will be responsible for leading discussion on the day’s topic and should come prepared with pertinent points.
- Complete two problem sets featuring short, quantitative questions related to the course material. A short, take-home, open-book exam to be submitted the day after the last lecture; answer four questions clearly and concisely in about 20 min each. Late assignments will be downgraded a letter grade for each day late.

Course goals: The goal of this course is to provide a sophisticated understanding of animal behavior from both mechanistic and evolutionary perspectives, and more generally to encourage thinking about ecology and evolutionary biology as a conceptually unified discipline.

Grading: Letter grades will be assigned based as follows: Problem sets: 20% each; short, take-home essay exam: 60%. Grade scale: 90-100 A; 80-89 B; 70-79 C; 60-69 D; < 60 F.

Americans with Disabilities Act (ADA): 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 you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu.

Academic Integrity: For additional information please visit: http://aggiehonor.tamu.edu. Please pay close attention to guidelines on avoiding plagiarism. “An Aggie does not lie, cheat, or steal, or tolerate those who do.”

SUGGESTED READINGS


LECTURES

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<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading</th>
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<tr>
<td>5/2/2016</td>
<td>TAKE HOME EXAM DUE AT 315 pm</td>
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One letter grade will be deducted for each day past the deadline!