INSTRUCTOR: Dr. Ellen Wisner
PHONE: 973-642-4975
OFFICE: 431 Colton Hall
EMAIL: wisner@njit.edu

COURSE SCHEDULE: T: 1:00pm–5:25pm [COLT 120A]
COURSE WEBSITE: http://moodle.njit.edu/

DESCRIPTION:
By the end of the course students will be able to:
1) describe and analyze animal behavior using principles of evolutionary biology
2) design experiments in animal behavior
3) communicate science in both written and oral formats
4) locate and evaluate scientific literature

PREREQUISITES:
Foundations of Biology: Ecology and Evolution (BIOL 205/206)

REQUIRED MATERIALS:
Research notebook; Readings and materials for the course will be posted on Moodle

FIELD TRIPS:
For the first several classes we will be traveling to sites near NJIT to conduct our experiments. For these trips you must dress appropriately. For all trips you should wear closed-toe shoes. I would suggest either wearing sneakers or hiking books. I would also suggest that you wear layers, perhaps a t-shirt and a jacket. Lastly, please make sure that you wear cloths that can get dirty.

MOODLE:
We will be using Moodle for our class website (http://moodle.njit.edu/). If you are a Rutgers student, you will need an NJIT UCID to get access to the site. If you do not already have one, you can request one at https://mailsys.njit.edu/~accts/cgi-bin/new. PLEASE be sure that you have gone into your profile and changed your preferred e-mail to an account you check regularly. You will automatically be assigned an NJIT e-mail address and this will be the default unless you change it.
Grading Policy:

Grades will be determined by performance on quizzes, lab reports, student presentation, project proposal, formal lab reports, and participation in paper discussions. There will be four in-class quizzes that will be worth 50 points each and the lowest quiz grade will be dropped. For the first formal lab report you will be allowed to submit a 2nd draft.

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes (4 w/ lowest grade dropped)</td>
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</tr>
<tr>
<td>Formal Lab Reports (3)</td>
<td>150</td>
</tr>
<tr>
<td>“Regular” Lab Reports (6)</td>
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<tr>
<td>Student Presentation</td>
<td>50</td>
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<tr>
<td>Project Proposal</td>
<td>50</td>
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<tr>
<td>Paper Discussion</td>
<td>20</td>
</tr>
<tr>
<td>Participation</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>600</strong></td>
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Grading Scale:

<table>
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<tr>
<th>Letter Grade</th>
<th>Total Number of Points</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>540-600</td>
<td>90 – 100</td>
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<tr>
<td>B+</td>
<td>510-540</td>
<td>85 – 90</td>
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<tr>
<td>B</td>
<td>480-510</td>
<td>80 – 85</td>
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<tr>
<td>C+</td>
<td>450-480</td>
<td>75 – 80</td>
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<tr>
<td>C</td>
<td>390-450</td>
<td>65 – 75</td>
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<tr>
<td>D</td>
<td>300-390</td>
<td>50 – 65</td>
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<tr>
<td>F</td>
<td>0-300</td>
<td>0 – 50</td>
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</tbody>
</table>

Make-up Quizzes and Make-up/Late Materials:

There are no make-up quizzes. If you miss a quiz, it will count as your dropped quiz. Other materials in the course can be made up with appropriate documentation (i.e., a doctor’s note). Late materials will be accepted; however you will lose 5% points for each day that the assignment is late.

Academic Integrity:

The university’s academic integrity policy can be found here: [http://www.njit.edu/academics/pdf/academic-integrity-code.pdf](http://www.njit.edu/academics/pdf/academic-integrity-code.pdf). This code will be enforced in this course. If you have any questions about this policy, please come and talk to me about it.
# Course Syllabus

## FALL 2012

## BIOLOGY 385-H01: EVOLUTIONARY ANIMAL BEHAVIOR LAB - HONORS

**Course Outline:**

- *field trip

### DATE | TOPICS | READING AND/OR ASSIGNMENT
--- | --- | ---
Sept. 4 | Introduction to Animal Behavior; Lab 1: Statistics Lab | 
Sept. 11* | Lab 2: Describing and Quantifying Behavior | Read lab 2 handout; Pre-lab due at beginning of class; Lab 1 Due
Sept. 18* | Lab 3: Antipredator Responses in Whirligig Beetles | Read lab 3 handout; Pre-lab due at beginning of class; Lab 2 Due
Sept. 25 | Lab 3: Antipredator Responses in Whirligig Beetles Paper Discussion #1 | Read Paper 1 on Moodle for Discussion
Oct. 2* | Lab 4: Mating Behavior in Dung Flies Quiz 1 | Read lab 4 handout; Pre-lab due at beginning of class; Study for Quiz 1
Oct. 9* | Lab 4: Mating Behavior in Dung Flies | Formal Lab Report on Lab 3 Due
Oct. 16 | Lab 4: Mating Behavior in Dung Flies Paper Discussion #2 | Read Paper 2 on Moodle for Discussion
Oct. 23 | Lab 5: Acoustic Communication in Crickets Quiz 2 | Read lab 5 handout; Pre-lab due at beginning of class; Formal Lab Report on Lab 4 Due; Study for Quiz 2
Oct. 30 | Lab 6: Chemical Communication in Mealworms | Read lab 6 handout; Pre-lab due at beginning of class; Lab 5 Due
Nov. 6 | Lab 7: Behavioral Ecology of Humans Paper Discussion #3 | Read lab 7 handout; Pre-lab due at beginning of class; Lab 6 Due; Read Paper 3 on Moodle for Discussion
Nov. 13 | Lab 7: Behavioral Ecology of Humans Quiz 3 | Study for Quiz 3
Nov. 20 | ▶ NO CLASS: Classes follow a Thursday schedule
▶ November 22-25: Thanksgiving Recess – No Classes
Nov. 27 | Lab 8: Agonistic Behavior in Crayfish | Read lab 8 handout; Pre-lab due at beginning of class; Lab 7 Due
Dec. 4 | Lab 9: Altruism and the Prisoner’s Dilemma Quiz 4 | Read lab 9 handout; Pre-lab due at beginning of class; Formal Lab Report for Lab 8 Due; Study for Quiz 4
Dec. 11 | STUDENT PRESENTATIONS | Lab 9 Due; Final Project Proposal Due

**Finals**

**FINAL EXAM WEEK: DECEMBER 14-20, 2012**