The Science of Animal Behavior Laboratory
ANB101L -- Spring 2017

Instructor: Dr. Susan Lewis
Office: 110 Rankin
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E-mail: lewiss@carrollu.edu (preferred)

Lab: 1:20 - 3:50 p.m. T or R
Office Hours: 9:15 – 10 a.m. MWF

Course Description: In the laboratory portion of the Science of Animal Behavior, you will learn to analyze the behavior of animals by asking and answering your own questions about sensory preferences, learning, habitat preferences, navigation, and foraging,

Course Objectives: At the conclusion of this course, you should be able to:
1. Critically analyze and discuss an article from the primary literature in animal behavior
   Assessment: Inquiry project proposal, Final e-poster
2. Design and carry out simple research projects in animal behavior, including identifying the research question, selecting the proper research technique, analyzing data, making connections to previous research, and presenting results
   Assessment: Inquiry worksheets, Inquiry project proposal and research log, Final e-poster and presentation

Expectations: You are expected to participate actively in class activities. You are also expected to treat the animals we use in lab with respect at all times.

Late assignments will have 5% of the score deducted for each day they are late.

Labs may involve work outdoors. You should come to those labs prepared to be outside, regardless of the weather. A clipboard or lightweight but sturdy notebook will be useful in lab. Arriving on time to class will be especially important on days when we are going off campus -- if you come late, you are likely to miss the van.

Textbook: No textbook required for lab, but you will need a bound composition notebook.

Evaluation:
Lab grades constitute 35% of your final course grade for ANB 101. The 350 points from lab are distributed as follows:

Inquiry Worksheets (3 at 50 pts. each)
Foraging Inquiry Proposal (30 pts.)
Foraging Inquiry e-Poster 50 pts.)
   o Poster Quality (25 pts.)
   o Presentation Quality (25 pts.)
Foraging Inquiry Project Quality (50 pts.)
   o Participation and Collaboration (10 pts.)
   o Research Quality (40 pts.)
Laboratory Notebook (70 pts.)
**Attendance Policy:**
Students are expected to attend lab regularly and to arrive to class on time. There are no good ways to make up a missed lab session, so students should make every effort to attend their scheduled lab. Under exceptional circumstances, a student may be allowed to attend the other lab scheduled for the same week. You cannot make up a missed inquiry lab, but you may turn in a worksheet using a classmate’s data with your own analysis and interpretation.

All missed lab sessions will result in a loss of 30 class points. Your instructor may waive this penalty in extreme circumstances, at her own discretion.

**Citing work and avoiding plagiarism:**
Policies and expectations regarding appropriate citations, not using direct quotations, and avoiding plagiarism in lab are identical to those in class.

### Laboratory Schedule (Subject to Change)

<table>
<thead>
<tr>
<th>Date</th>
<th>Laboratory</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>Jan 31/Feb 2</td>
<td>Meet in the Library Classroom (1:20-2:20)</td>
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<tr>
<td>Feb 7/9</td>
<td>Sensory Preferences -- Inquiry</td>
<td>Sensory Preferences Inquiry Worksheet Due</td>
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<tr>
<td>Feb 14/16</td>
<td>Meet at the vans at 1:20 Learning: HAWS</td>
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<tr>
<td>Feb 21/23</td>
<td>Learning in Bettas -- Inquiry</td>
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<tr>
<td>Feb 28/Mar 2</td>
<td>Navigation in Isopods</td>
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<tr>
<td>Mar 7/9</td>
<td>Learning in Bettas -- Inquiry</td>
<td></td>
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<tr>
<td>Mar 21/23</td>
<td>Navigation in Humans -- Inquiry</td>
<td>Learning Inquiry Worksheet Due</td>
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<tr>
<td>Mar 28/30</td>
<td>Meet at the vans at 1:20 Foraging in Amphipods Inquiry</td>
<td>Navigation Inquiry Worksheet Due</td>
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<tr>
<td>Apr 4/6</td>
<td>Foraging Inquiry research</td>
<td>Foraging Inquiry Proposal due electronically by 5 p.m. 3/31 (T lab) or 9 a.m. 4/3 (R lab)</td>
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<td>Apr 11/13</td>
<td>Foraging Inquiry research</td>
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<td>Apr 18/20</td>
<td>Foraging Inquiry research</td>
<td>Data analysis and poster preparation</td>
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<tr>
<td>Apr 25/27</td>
<td>Final Project Presentations</td>
<td>ePoster and Presentation Project self-evaluation Lab Notebook</td>
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Policies and Fine Print:
The instructor and the University reserve the right to modify, amend, or change the syllabus (course requirements, grading policy, etc.) as the curriculum or program requires.

Students with documented disabilities who may need accommodations should make an appointment with Ms. Marty Bledsoe, our disabilities coordinator, no later than the first week of class. You can reach her by calling 524-7335 or contacting her via e-mail at mbledsoe@carrollu.edu.