**General Information**
Catalog Number, Section, and Term: BIOL 4414, 21, Spring 2010

Title of Course: Animal Behavior

Co-requisites: BIOL 4415.21

Class Room and Meeting Times and Dates: Dickinson Hall Room 1152
Wednesdays 5:25 PM – 7:05 PM, January 27, 2010 – May 12, 2010

Instructor: Dr. Marion McClary

Office Location and Office Hours: Dickinson Hall Room 4459, Mondays - Fridays 9:00 AM – 10:00 AM.

Laboratory Location: Dickinson Hall Room 5513

Telephone with voice mail: 201-692-2606

FDU Email Address: mcclary@fdu.edu

**Course Description**
Principles of animal behavior. History, methods, genetics, evolution, physiology of biological rhythms, learning, communication, migration, habitat selection and foraging.

**Text and Materials**

**Rules, Regulations, Grades**
Attendance and lateness policy:
Students are responsible for all material missed due to absence and or tardiness.

Makeup and missed work policy:
Exams (You will be informed of any changes)
1) Each exam will only cover the material listed above it or the material listed since the previous exam (see the course outline).

2) Exams may be curved depending on the class average. Exams will be short answer

3) If you miss the exam and do not have a doctor’s note, your exam will not be curved.

4) Exams not handed in by the last day of the course will become zeros. An incomplete (I) is given if there is a doctor’s or other official notes. Only doctor’s notes or other official notes can remove zeros.
Academic Integrity Policy:
Students enrolled at Fairleigh Dickinson University are expected to maintain the highest standards of academic honesty. Students have the responsibility to each other to make known the existence of academic dishonesty to their course instructor, and then, if necessary, the department chair, or the academic dean of their college. Course instructors have the added responsibility to state in advance in their syllabi any special policies and procedures concerning examinations and other academic exercises specific to their courses. Students should request this information if not distributed by the instructor.
Academic dishonesty includes, but is not necessarily limited to, the following:

1. *Cheating*-Giving or receiving unauthorized assistance in any academic exercise or examination. Using or attempting to use any unauthorized materials, information, or study aids in an examination or academic exercise.
2. *Plagiarism*-Representing the ideas or language of others as one’s own.
3. *Falsification*-Falsifying or inventing any information, data, or citation in an academic exercise.
4. *Multiple Submission*-Submitting substantial portions of any academic exercise more than once for credit without the prior authorization and approval of the current instructor.
5. *Complicity*-Facilitating any of the above actions or performing work that another student then presents as his or her assignment.
6. *Interference*-Interfering with the ability of a student to perform his or her assignments.

Sanctions: Any student violating academic integrity will, for the first offense, receive one or a combination of the following penalties imposed by the faculty member:

1. No credit (0) or *Failure for the academic exercise*.
2. *Reduced grade* for the course.
3. A *failure in the Course*.
4. Recommendation for *Academic Probation* to the dean of the college in which the student is registered.

The instructor shall file a notice of the penalty in the student’s file maintained in the campus Office of Enrollment Services.

In cases of interference and complicity, whether or not the student is registered in the affected course, the incident and penalty shall be recorded in the student’s file maintained in the campus Office of Enrollment Services.

For a subsequent violation of academic integrity, a student will be subject to any combination of the above sanctions, and, after due review by the academic dean according to the procedures below, one of the following:

1. *Suspension* from the University for one year. Readmission will be contingent upon the approval of the academic dean.
2. *Dismissal* from the University
3. *Dismissal from University identified on the student’s academic transcript* as a result of a violation of the Academic Integrity Policy.
Grading policy:
There will be two lecture exams. Each lecture exam is worth 50% of your grade. The
two lecture exam grades are 100% of your grade. Your final grade will be an average of
two lecture exam grades. This average will then be placed on the following scale for
your grade:

A  92 - 100
A-  89 - 91
B+  86 - 88
B   82 - 85
B-  79 - 81
C+  76 - 78
C   72 - 75
C-  69 – 71
D   60 - 68
F   0  - 59

Talking Policy:
Excessive talking during class will not be tolerated. Excessive talking will be viewed as
an indication that the students are familiar with the lecture material. If the students
indicate that they are familiar with the lecture material, as indicated by excessive talking,
all students will be given an exam question or questions before the regularly scheduled
exam (a “pop exam”). Correct and incorrect answers of this pop exam will be calculated
with the regularly scheduled exam on the date that it is given (see the syllabus for the
dates). Students will not be given pop exams if they avoid excessive talking.

Course Objectives
The objectives (goals) of this course are for you to become competent in knowledge of:
(1) the importance of the study of animal behavior in the past and the present; (2) the
differences, advantages, and disadvantages of studying the different branches of animal
behavior; (3) the scientific method; (4) the design, data analysis, and problems associated
with experiments that test for genetic, hormonal, neuronal, environmental, and society
effects on behavior; and (5) imprinting, habituation, alarm calls, distribution, vertical
migration, foraging, anisogamy, competition, polygyny, and polyandry.

Teaching Methodologies/Activities
The following will be used to assess student learning:
1. Exams to assess numbers 1-5 above (program outcomes # 1 and 6)

Modes of instruction that will be used by the instructor:
1. Oral Powerpoint Presentation
## Course Outline

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 27</td>
<td>Introduction to and History of Animal Behavior</td>
<td>1 and 2</td>
</tr>
<tr>
<td>Feb. 03</td>
<td>Approaches and Methods</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>Genes, Behavioral Genetics, and Evolution of Behavior</td>
<td>4, 5, and 6</td>
</tr>
<tr>
<td>17</td>
<td>The Nervous System</td>
<td>7</td>
</tr>
<tr>
<td>24</td>
<td>Hormones and Behavior, and Immunology and Behavior</td>
<td>8</td>
</tr>
<tr>
<td>Mar. 03</td>
<td>Biological Rhythms</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>EXAM I</td>
<td></td>
</tr>
<tr>
<td>17*</td>
<td>Spring Recess</td>
<td></td>
</tr>
<tr>
<td>24*</td>
<td>Development of Behavior</td>
<td>10</td>
</tr>
<tr>
<td>31*</td>
<td>Learning</td>
<td>11</td>
</tr>
<tr>
<td>Apr. 07*</td>
<td>Communication</td>
<td>12</td>
</tr>
<tr>
<td>14</td>
<td>Migration, Orientation, and Navigation</td>
<td>13</td>
</tr>
<tr>
<td>21</td>
<td>Habitat Selection and Foraging Behavior</td>
<td>14 and 15</td>
</tr>
<tr>
<td>28</td>
<td>Sexual Reproduction, Mating Systems and Conflict</td>
<td>17 and 16</td>
</tr>
<tr>
<td>May 05</td>
<td>Parental Care and Social Behavior</td>
<td>18 and 19</td>
</tr>
<tr>
<td>12</td>
<td>EXAM II</td>
<td></td>
</tr>
</tbody>
</table>

*Days Dr. McClary will be in the Dominican Republic. Arrangements to be announced.*