BIOLOGY 435 – MAMMALOGY               FALL 2012
Jay Bogiatto, M.S., Faculty
Meeting: Lecture (T 3-5p), Lab (R 2-5P) in Holt Hall 235
Office/Hours: Holt Hall 211 / M. 3-5P and by Appt.
Email: rbogiatto@csuchico.edu

COURSE SYLLABUS

REQUIRED MATERIALS:
Dissection Kit (See Omicron Coffee/Donut Table for the best kits)

RECOMMENDED MATERIALS:
Separate Notebooks for Lecture and Lab

ASSIGNMENTS:
Midterm Exam               70   Points
Final Exam  (Cumulative) (75p written; 25p slides) 100  Points
3 Lab Practical Exams (#2 and #3 are 25% and 50% Cumulative, respectively)  240 Points
Literature Review          60   Points
TOTAL  470 POINTS

GRADING*

A    90-100%  C-    69
A-   89      D    59-68
B+   88      F    58 and below
B    80-87
B-   79
C+   78
C    70-77
COURSE POLICIES

1.) There will be no make-up exams given during this course.

2.) Tardiness/Absenteeism is/are unacceptable

3.) Missing 2 or more labs without “serious and / or compelling reasons” (see CSUC Catalog) will result in the loss of 1 full letter grade (or even more, depending….). The weekend trip is considered mandatory; those missing the trip for serious and / or compelling reasons (see CSUC Catalog) will be required to complete a second Literature Review dealing with Small Mammal trapping Techniques. Otherwise, missing this trip will result in the loss of one full letter grade.

4.) Other than for emergency purposes (class emergencies that is), the use of Smart Phones, etc., will not be tolerated during the lecture, lab, or field components of this course. Those observed using such devices will be asked to leave.

5.) The use of laptops for the purpose of taking notes is encouraged. However, the use of computers for anything deemed “beyond the scope of the course”, will result in the complete ban of laptops. Also, those observed using a laptop for such “other purposes” will be asked to leave.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>August 28</td>
<td>Course Introduction / An Introduction to Mammalogy / Humans and Mammals</td>
</tr>
<tr>
<td>September 4</td>
<td>Mammals as the only surviving Synapsid, Amniote, Tetrapod, Chordates</td>
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<tr>
<td>11</td>
<td>Class: Mammalia; Distinguishing Features/ Surviving Lineages: Mammal Subclasses and Infraclasses</td>
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<tr>
<td>18</td>
<td>Subclass: Prototheria – Order Monotremata: The Monotremes / Fur</td>
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<tr>
<td>25</td>
<td>Subclass: Theria, Infraclass: Metatheria – The Marsupials I / Sweat, Scent glands, etc.</td>
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<td>October 2</td>
<td>Marsupials II / The Amniotic egg and Marsupial Reproduction</td>
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<tr>
<td>9</td>
<td>Subclass: Theria, Infraclass: Eutheria (Overview) / Animal Mating Systems</td>
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<tr>
<td>16</td>
<td>Mammalian Mating Systems</td>
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<td>23</td>
<td>MIDTERM EXAM</td>
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<tr>
<td>30</td>
<td>Placental Reproduction</td>
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<tr>
<td>November 6</td>
<td>Introduction to the “Other” Placental Orders: Afroscricida, Macroscelidea, Tubulidentata, Hyracoidea, and Proboscidea</td>
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13 Introduction to the Orders: Sirenia, Pilosa, Scandentia, and Dermoptera

THANKSGIVING BREAK

27 An Introduction to the Order Primates

December 4 An Introduction to the Orders: Erinaceomorpha, Pholidota, and Cetacea

11 Species Concepts and Speciation in Mammals / Human Evolution

12 FINAL EXAM: R 12-2P

LAB-FIELD CALENDAR (Thursdays + Weekend Field Trip)

<table>
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<th>Date</th>
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<tr>
<td>August 30</td>
<td>An Introduction to the Lab / Mammalian Osteology: Articulated Skeletons</td>
</tr>
<tr>
<td>September 6</td>
<td>An Introduction to Bones and Teeth / Articulated Skeletons (Continued) / Dissarticulated Skeletons / Zooarchaeology Lab Tour</td>
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<tr>
<td>13</td>
<td>Mammalian Systems: Foetal Pig Dissection (those with foetal pig experience will be asked to assist).</td>
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20    Mammalian Systems (Continued) / An Introduction to the Vertebrate Brain / Mammalian Brain

27    Mammal Study Skin and Skull Preparation

October 4    Study Skin and Skull Preparation (Cont.)

11    Tour of Vertebrate Museum Collections / An Introduction to the Orders Didelphimorphia, Cingulata, and Primates (in part)

12-14    Field Trip to the Eagle Lake Field Station

18    LAB PRACTICAL EXAM I.

25    Introduction to the Order: Rodentia (Part 1.)

November 1    Order: Rodentia (Part 2)

8    Orders: Rodentia (3), Lagomorpha, and Soricomorpha

15    LAB PRACTICAL EXAM II (24% CUMULATIVE) / Order: Chiroptera

THANKSGIVING BREAK

29    Order: Carnivora

December 6    Orders: Perrisodactyly and Artiodactyla (Add Pangolin to lab materials)
LAB PRACTICAL EXAM III (50% CUMULATIVE)