

# Orange Coast College

## Fall Semester 2009

### BIOL 182L

### Course Syllabus

Course Number: **BIOL 182L**  
 Course Title: **ZOOLOGY LAB**  
 Course Units: **1.0**  
 Section Number: **1000**

Instructor: **Greg Russell**  
 Office Location: **Science Hall 135**  
 Office Phone: **714-432-5504**  
 Office Hours: **Mon/Wed 1:30-2:30,**  
**Tues 3:30-4:30, Thurs 11:30-1**

Class Meeting Days: **Thursdays**  
 Class Meeting Time: **1:20-4:30 p.m.**  
 Room: **Science 141**

\*E-mail: **grussell@occ.cccd.edu**

\*\*Personal OCC website:  
<http://faculty.orangecoastcollege.edu/grussell>  
 This website name is case-sensitive!

\*I usually respond to e-mails within 24 hours, excluding weekends and holidays. Please include the course you attend and a brief statement in the subject line.

\*\*Contains the syllabus and web links useful for this course.  
 All files relevant to the course are posted on Blackboard.

#### Fall 2009 Calendar Dates to Remember Affecting this Course:

Semester Begins	August 31 <sup>st</sup>
Last Day to Drop with Refund	September 12 <sup>th</sup>
Last Day to Add the Class	September 12 <sup>th</sup>
Last Day to Drop without a W	September 26 <sup>th</sup>
Last Day to Drop with a W	November 21 <sup>st</sup>
Thanksgiving Day holiday	November 26 <sup>th</sup>

For further information consult your Orange Coast College Class Schedule.



Stephen's Kangaroo Rat (*Dipodomys stephensi*) Image from:  
 G. Russell, Riverside County, CA

**Prerequisites:**

Biology 182 or concurrent enrollment.

**Course Format:**

This course is a transferable (UC and CSU) life science course. This course involves an exploration of all major groups of animal taxa and will include scientific experimentation and writing. Attached is a general outline for this course.

**Course Objectives:**

A laboratory course emphasizing animal phylogeny, anatomy and physiology using representative types. 1 unit (½ hour lecture; 2½ hours lab).

**Required textbooks and materials:**

- \* *General Zoology Laboratory Guide. 14<sup>th</sup> ed.* 2005. Lytle, C. F. and J. R. Meyer. McGraw-Hill, New York. ISBN: 0-07-234900-X
- \* Dissecting Kit
- \* Laboratory notebook for drawing specimens and taking notes

**Class Attendance:**

Attendance is mandatory for this course. Each laboratory contains a significant amount of information that should not be missed.

**Withdrawal Policy:**

It is ultimately the student's responsibility to withdraw from the course. Do NOT depend on the instructor to withdraw you just because you stopped attending.

**Academic Honesty:**

The work you submit must be your own. Any ideas, quotes, or summaries must be cited within the paper. Papers may be checked for originality using various methods. All exams will be completed on an individual basis without any unauthorized assistance. Any student who commits academic dishonesty will be reported and will not receive a grade for the compromised work or exam.

**Use of Animals:**

Because the topic of this class is zoology, we will use either live or dead animals in every lab. If you have any questions about or anticipate having problems working with these animals, please see me as soon as possible.

**Late Policy:**

Only the fieldtrip reports may be turned in late up to one week after the assignment due date. An absence on the due date will not be considered late if the assignment is turned in immediately upon returning to the lab. A late assignment grade will be reduced by 10% of the total points possible for each day it is late. After one week, the paper is no longer accepted.

**Explanation of Assignments:***Practical Exams:*

Throughout the semester there will be three practical exams worth 60 points each. Selected animals viewed in the previous labs will be used for each practical. Each station will have a set of questions regarding structure, function, life stage, and taxonomy. **There are no make-up exams!**

Helpful website: **Marc Perkins's Zoology Review page (created by Marc Perkin's and past zoology laboratory students)**

<http://faculty.orangecoastcollege.edu/mperkins/zooreview.html>

*Laboratory Assignments:*

During each lab a handout will be provided for each student to complete. The handouts will include taxonomy covered that day, specimen drawings to label, specimens listed for the student to draw and label, and follow up questions. THE LAB ASSIGNMENTS ARE DUE AT THE BEGINNING OF THE LAB SESSION, AND WILL BE COLLECTED AS YOU ENTER THE LAB. IF YOU ARE MORE THAN 10 MINUTES LATE, OR IF YOU MISS A LAB, YOUR LAB ASSIGNMENT SCORE WILL BE REDUCED. No credit is given to lab assignments received 7 or more days after the due date. Most labs are worth 5 points each, except where noted in the schedule.

*Fieldtrip Report:*

The fieldtrip will be followed up by a fieldtrip report. The goal of this is to give you experience in designing and conducting an experiment and using your observation skills. Information regarding the content of the fieldtrip reports will be provided at a later date.

Participation and a written report are worth 30 points.

**Grading:**

Your course grade will be based on the number of points you earn on the assignments detailed above. Letter grades will be assigned on a straight percentage of total points possible.

Assignment	Points Possible	Percentage of Total Points (270)	Grade Scale	Percent (%)
Practical Exams (3)	180	67%	A	90-100
Laboratory Assignments	60	22%	B	80-89
Fieldtrip Report	30	11%	C	70-79
			D	60-69
			F	< 59

## Fall 2009 Tentative Schedule for Biol 182L – Zoology Lab

<b>Date</b>	<b>Topic</b>	<b>Lab Manual</b>	<b>Notes</b>
Sep. 3	Introduction and Overview of Animal Kingdom	5	
Sep. 10	Phyla Porifera and Cnidaria	7 and 8	
Sep. 17	Phyla Platyhelminthes and Nematoda	9 and 10	
Sep. 24	Phylum Annelida and Mollusca (5 points each)	11 and 12	<i>Dissection Kit Required</i>
<b>Oct. 1</b>	<b>Practical Exam 1</b>		
Oct. 8	Phylum Arthropoda	13	<i>Dissection Kit Required</i>
Oct. 15	Phylum Echinodermata	14	<i>Dissection Kit Required</i>
Oct. 22	Phylum Chordata Subphyla Urochordata, Cephalochordata, Vertebrata (fishes)	15, 16, and 17	<i>Dissection Kit Required</i>
Oct. 29	Phylum Chordata, Subphylum Vertebrata: Tetrapoda (Classification)	18, 19,20, and handouts	
<b>Nov. 5</b>	<b>Practical Exam 2</b>		
Nov. 12	Phylum Chordata, Subphylum Vertebrata: Tetrapoda (Skulls)	18, 19,20, and handouts	
Nov. 19	Phylum Chordata, Subphylum Vertebrata: Tetrapoda (Skeletons)	18, 19,20, and handouts	
<b>Nov. 26</b>	<b>Thanksgiving</b>	18, 19,20, and handouts	
Dec. 3	Phylum Chordata, Subphylum Vertebrata: Tetrapoda (Int. Anatomy)	18, 19,20, and handouts	<i>Dissection Kit Required</i>
<b>Dec. 10</b>	<b>Practical Exam 3</b>		