Zoology (Biology 202) Fall 2008

Lecture location: MLH B32 **Lecture time:** MW 9:00am–10:15am
Lab location: MLH 210 **Lab time:** Monday 2:00pm–5:00pm

Instructor: Matthew Brady **Office:** MLH 321 **Office phone:** 792-2828
Office hours: M 12:00pm–2:00pm or by appointment. mjbrady@lcsc.edu

Required texts: Integrated Principles of Zoology, 14/e, Hickman et al.
Laboratory Studies in Integrated Principles of Zoology, 14/e, Hickman and Kats

General Information

Attendance: I feel that regular attendance is necessary in order for a person to succeed in any class. If you miss a class, it will be your responsibility to get the notes from another student. In the case of labs, there will be **NO MAKE-UP LABS**!

Make-up exams: None unless you have a DOCUMENTED EXCUSE, so do not miss them!! If a make-up exam is necessary, it will be different from the one given on the scheduled day. It will consist entirely of essay questions. This holds true for the lab practicals as well.

Access and Accommodation: If you feel there is any physical or mental challenge to you that impedes your ability to participate in the class, please see me so we can remove or correct the problem. If you have any special medical needs and the building had to be quickly evacuated, also please inform me. Assistance with accommodation can also be found at the Office of Student Life, Room 111, Reid Centennial Hall.

Classroom etiquette: The lecture begins at noon; make it a point to arrive a few minutes early so we can start promptly. If you must be late, enter quickly and quietly. Also, please respect others' desire to learn and do not talk in class; it is very distracting for those around you as well as the instructor.

Cell phones going off in class will NOT be tolerated! They should be put on vibrate or turned off. Do NOT answer cell phones in class. If I here one go off, I will confiscate it and will hold on to it until the class is over. This is your first and only warning.

Academic dishonesty: In the event of academic dishonesty, those involved **will receive an "F" grade for the course** and the violation of the Student Code of Conduct will be referred to the Director of Student Life for judicial action.

As defined in the LCSC Student Handbook, Academic Dishonesty is:
(http://www.lcsc.edu/osl/SHB/SHBcodeofconduct.htm)
a) **Cheating**—intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise. The term "academic exercise" includes all forms of work submitted for credit hours.

b) **Fabrication**—intentional and/or unauthorized falsification or invention of any information or the source of any information in an academic exercise.

c) **Collusion** facilitating academic dishonesty—intentionally or knowingly helping or attempting to help another to commit an act of Academic Dishonesty.

d) **Plagiarism**—the deliberate adoption or reproduction of ideas or words or statement of another person as one's own without acknowledgment.

According to the Student Code of Conduct, The sanctions imposed for a violation of this section of the Code are independent of, and in addition to, any adverse academic evaluation which results from the student's conduct. The course instructor is responsible for academic evaluation of a student's work and shall make that evaluation without regard to any disciplinary action which may or may not be taken against a student under the Student Code of Conduct.

Last day to drop: The last day to drop any class this semester is **Friday, November 7**.

Lecture

Expectations: Zoology is a very broad discipline so I will not be able to cover every topic that is in the book in detail or not at all is some cases; this does not mean that you do not have to know it. To guide your reading, I will assign certain review questions from the end of each chapter. These will be ungraded assignments, but you need to do them because 1) you will have quizzes that include this material and 2) they make excellent reviews for preparing for the exams; in addition, **at least two of these questions will show up on each exam**!

I also try to have a lecture that is interactive, so I expect you to come to class prepared and ready to participate. To ensure that everyone is able to participate, you will need to have read the material in the book which we will be covering as well as review your notes from previous lectures.

Quizzes: I will give a quiz approximately every other Monday except for the weeks that have a scheduled exam (see schedule for specific times). However, your first quiz will be Wednesday, 3 September after the Labor Day holiday. These are designed to keep you up to speed with the lecture notes as well as the readings from the book. There will be **six** quizzes in all, **each worth 20 points**. You will get to drop your lowest quiz score for a total of five quizzes worth **100 points**.

Exams: Four exams will be given during the 1st half of lab on the dates indicated on the time schedule. They will consist of short answer (one to three sentences), and essay questions. The material for the questions will come from the lecture notes and the book (see note above). Each exam will be worth **100 points**.

Final exam: The final exam will be comprehensive, and will follow the same format as the in-class exams (e.g., essay, and short answer), but will be worth **200 points**.

Laboratory

Laboratory journal: The lab journal will be worth **100 points**. In all lab settings, it is necessary to keep a detailed and accurate account of what is being done, making it easier for an individual to repeat the exact steps of an experiment or see what observations were made. Consequently, you will be required to keep a lab journal, detailing what you did in lab each week, including any observations (e.g., pictures or diagrams) and experiments. There are 10 graded labs and each entry will be worth 8 points, and will be evaluated on following proper lab notebook protocol (5 pts) and content (3 pts).

You will also be looking at a variety of organisms and it is always helpful to know how to identify them. To do this, you will also construct a dichotomous key for each group of organisms we examine in each lab. After you have a key for all of the taxa examined, you will put them together into one large dichotomous key that will be turned in at the end of the semester as part of your laboratory notebook grade; the key will be

worth 20 points of the 100 total points for the lab journal. These keys will be important as you will get to use them on the lab practicals (see below).

Laboratory practicals: Practicals are with-in lab exams that involve a number of stations at which you will identify an organism and/or structure of that organism and answer questions relevant to the observed organism. There will be **two practicals** each worth **50 points**. Each practical will cover material covered prior to each one. Questions may be similar to those you will be answering in the lab books, so make sure you fill in your lab book as you do the labs. That is a good way to prepare for the practicals plus it is a good study guide!

Final project: In this project, you will evolve a currently existing animal into a "new" species. The model for this project I use is the program "The Future is Wild" that was aired on Animal Planet a few years ago. In this program scientists conjectured what animals would look like on Earth at different time periods in the future. Your job (in teams of 2 or 3) will be to basically do the same thing; come up with a realistic animal that evolved on Earth from a currently existing animal. It has to be biologically possible, so it must meet all requirements (physiological, anatomical, etc.) that we will be talking about over the next several weeks. The details of this assignment will be given during first lab of the semester (Monday, 25 August). This assignment will be worth **100 points**.

	Point value	**Quantity**	**Total points**
Lecture Quiz	20	5	100
Exam	100	4	400
Final	200	1	200
Final project	100	1	100
Lab journal	100	1	100
Lab practicals	50	2	100
			Total points: 1000

A = 900–1000
B+ = 880–899
B = 830–879
B- = 800–829
C+ = 780–799
C = 730–779
C- = 700–729
D = 600–699
F < 600