BIOLOGY 201 RECITATION SCHEDULE
FALL SEMESTER- 2010

RECITATION LOCATION : All sections meet in Wilson 132 unless indicated otherwise below or by TA **(pay attention to where section meet on field trip days)**

T.A.s:

Lisa Bono (sections 703, 706, 708)
Email: lisa.bono@gmail.com
Office Location: 305 Wilson Hall

Thiago Lima (701, 702, 709)
Email: tlima@email.unc.edu
Office Location: 314 Wilson Hall

Heidi MacLean (704, 705, 707)
Email: hmaclean@email.unc.edu
Office Location: 342 Wilson Hall

Sections:

Section	Time	Day	Location	Instructor
701	2:00	Monday	Wilson 132	TL
702	4:00	Monday	Wilson 132	TL
704	2:00	Tuesday	Wilson 132	HM
705	4:00	Tuesday	Wilson 132	HM
706	2:00	Wednesday	Wilson 132	LB
703	4:00	Wednesday	Wilson 132	LB
707	6:00	Tuesday	Wilson 132	HM
708	2:00	Thursday	Wilson 132	LB
709	4:00	Thursday	Wilson 132	TL

Objectives:

1. Provide a forum for discussing material presented in lecture.
2. Help with the more difficult (especially quantitative) portions of the lectures.
3. Learn how to quantify observations and test hypotheses;
4. Teach how results of scientific studies are published, and how to gain access to and evaluate the validity of published ecological studies.

Attendance:

Students are required to attend recitation sessions; these meet once a week. With instructor permission you may attend a different section in the same week if you cannot attend your regular recitation section during a particular week,. Recitations start the week of August 30st, and will NOT be held on Labor Day.

DATES: **ACTIVITY**:

Aug. 30-Oct. 2: Evolution Simulation. This first recitation will introduce you to the process of natural selection and the effect that it has on changing the frequency of alleles in populations. Bring your labtops loaded with the EVODOTs software (available on blackboard). You will work through a worksheet and submit it to your TAs by the end of the class period.

Sept. 6-9: No recitations- Labor Day on Monday

Sept. 13-16: Hardy-Weinberg and Population Genetics. Complete problem set before recitation. We will go over the answers as a group in recitation. **Hardy-Weinberg and Population Genetics Problem Set due (Available on Sept. 8th from blackboard).**

Sept. 20-23: Paper discussion-Microevolution. Paper will be posted on Blackboard. Show up to recitation having read the paper. Post two discussion questions on the Blackboard discussion board by midnight the day before your recitation meets. At the end of the period we will discuss the critical analysis of primary literature assignment.

Sept. 27-30: Paper Discussion-Macroevolution. Paper will be posted on Blackboard. Show up to recitation having read the paper. Post two discussion questions on the Blackboard discussion board by midnight the day before your recitation meets.

Oct. 4-7: Phylogenetics. Phylogenetic trees are used to reconstruct ancestral histories of organisms alive today. In this recitation you will learn how to construct phylogenetic trees. You will work though a worksheet and submit it at the end of the class period. **Critical analysis of primary literature assignment due in recitation today.**

Oct. 11-14: Field trip to Battle Creek Park. Meet at Forest Theater. You will make hypotheses about how physical factors alter forest structure and take measurements to test the hypotheses

Oct. 18-21: Fall Break: Open review day in sections this week. Thursday sections and Tuesday 6pm sections will not meet-you can feel free to attend at another time.

Oct. 25-28: Forest Ecosystem Responses to Chronic Nitrogen Additions. You will work with data to ask and address questions about how two types of forest are affected by chronic nitrogen additions

Nov. 1-4: Paper discussion: Global change ecology. Show up to recitation ready to discuss the assigned reading. Post two discussion questions on the Blackboard discussion board by midnight the day before your recitation meets. You will also be introduced to searching the peer reviewed literature and your 2nd critical analysis project.

Nov. 8-11: Life Tables. We will analyze demographic data to conduct a life table analysis. The exercise will be started in class and submitted next week.

Nov. 15-18: Competition Theory. Problem set and discussion of competition and predation models presented in lecture. You will work though a series of problems, and we will go over their solutions during the class period. **Life Table Exercise due**

Nov. 22-25: .**No class due to Thanksgiving Break**.
Email critical analysis of ecological literature paper to TA before break.

Nov. 29-Dec. 2: Data analysis of Forest Data. We will learn how to analyze ecological data and create figures based on those analyses.

Dec. 6-9: Open review day in sections this week. Thursday sections and Tuesday 6pm sessions will not meet-you can feel free to attend at another time.

Grading

The recitation counts for 15% of your course grade. The grade for recitation is computed as follows:

Evodots worksheet	5%
Population Genetics Problem Set	7%
Evolution literature questions (2 days)	6%
Phylogenetic analysis exercise	6%
Critical analysis papers (2)	32%
Field Trip discussion	3%
Chronic Nitrogen Worksheet	5%
Global Change Ecology Discussion	3%
Life Table	7%
Competition Worksheet	5%
Forest Community Analysis	5%
Class Participation	16%
	100%

To be fair to all students, **late assignments will be penalized by a ½ letter grade reduction.** Assignments turned in after the assignment has been returned to other students will be penalized by a full grade reduction. No assignments will be accepted more than one week after the due date. Come to class and learn!

PERSPECTIVE

The recitation will give you a chance to have a hands-on experience with the ideas and techniques presented in lecture. Use your TA as a resource, for help and inspiration! Be sure to strictly observe the Honor Code. Do not copy information from the internet! Only turn in work that is your own. Sign the Honor Code Pledge on all submitted work.

WARNING: RECITATION CANNOT SAVE YOU. YOU MUST PASS THE LECTURE WITH AT LEAST a *"D"* TO PASS THE COURSE.