

ENVS 132: Integrative Methods in Environmental Studies Laboratory

Spring 2006

Laboratory Instructor: Dr. Sarah Brosnan

Office: E538

E-mail: sarah.brosnan@emory.edu ***Email is the best way to reach me, but please do not use LearnLink!*

Telephone: 404 727-3262

Office Hours: 1:30 - 2:30 Tuesday, or by appointment

Class Information:

Section 1: Tues 2:30-5:30

Place: W 501 Math & Science Center

Section 2: Weds 2:30-5:30

Place: W 501 Math & Science Center

Lab Schedule

- Jan. 24/25 Beginning Tools: reasonable estimates, collecting data, units and scales
- Jan. 31/Feb 1 Introduction to Excel/Rainfall in Atlanta
- Feb. 7/8 Investigate a Water Body - library tools
- Feb. 14/15 Game Theory and Human Cooperation
- Feb. 21/22 Is your campus Wildlife Friendly? (outdoor)
- Feb. 28/Mar 1 Energy Demands and Food Consumption
- Mar. 7/8 Sustainability of a local community: Emory as a model system (outdoor)
- March 14/15 *Spring Break - enjoy your week off*
- Mar. 21/22 *No lab meeting this week*
- Mar. 28/29 Soil Analysis (outdoor)
- Apr. 4/5 Introduction to Surveys – SUV use on Emory’s campus
- Apr. 11/12 Introduction to Observational Methods – SUV use on Emory’s campus (outdoor)
- Apr. 18/19 Stream Ecology (outdoor)
- Apr. 25/26 More Stream Ecology (outdoor)

These labs are designed to allow us to spend as much time as possible outdoors doing hands-on activities, especially as the weather improves in the spring. In these cases, you will definitely wish to wear comfortable clothing and shoes and preferably clothes that you wouldn't mind getting wet or dirty (this is definitely the case for soil analysis and stream ecology). These labs are indicated above as "outdoor" labs.

Other Details

Lab write-ups: During the course of the semester, a number of labs will include short papers or lab write ups. While clearly I am interested in the science, I will also be grading on correct spelling and grammar. In any discipline, if you are unable to prepare a well-written, proofread paper that clearly conveys your ideas and data, you are at a disadvantage. Remember to spell-check your paper and read over it several times to correct grammatical errors and check for clarity.

Some lab assignments will be completed in the lab class time, however, for lab assignments that are due the following week they must be turned in at the beginning of the lab period in which they are due or they will be considered late. **Regardless of whether you are in lab, or are attending a different lab section that week, your lab is still due 7 days later - no exceptions.** Late lab assignments will be given a 10% reduction in the assigned grade for every day that they are late. After one week (7 days) they will get a zero grade. **Lab write-ups may not be emailed to me, but must be submitted as a hard copy unless I tell you otherwise.**

Making up assignments: Attendance during the full laboratory period each week is mandatory. If there is any lab that you will be unable to attend, you must contact me prior to the day of your lab to arrange to attend the other lab section. Lab sections are very full this semester so you may not be able to participate if you fail to notify me ahead of time! If you miss a lab without arranging ahead of time to make it up, you must complete an alternate assignment to receive credit on that lab exercise. **If you desire to make up the lab, you must contact me prior to the next meeting of your lab** – I will not contact you and assume if you do not contact me that you do not plan on making up the missed lab exercise. There will be no make-up lab session or labs turned in at the end of the semester.

Class participation: **Attendance during the full laboratory period each week is mandatory.** Your grade will be affected by missed laboratory sessions. You are also expected to participate in projects during lab time as well as discussions. Any student failing to do so will not receive full credit for participation.

Honor code: As with any other class, the honor code will be in full effect in the lab sections. A great deal of the work in lab will be done in groups, and I encourage you to work with each other to gain a greater understanding of the labs, both in the classroom and on your own time. However, unless it is explicitly stated on the lab write-up, **all lab write ups are to be done independently.** Make sure in your discussions you do not inadvertently parrot someone else's words into your own paper. What this generally

means is that discussion of ideas can be accomplished in the group, but the actual writing should be completed independently.

Also, for any case in which you use an opinion, fact, or quote that came from another source, you *must* correctly cite that source in the paper. If you are unsure of how to do this, please come see me and we will discuss it together. Failure to cite another's work correctly is theft of that individual's ideas and will result in no grade for that paper. A copy of the honor code may be found at <http://www.emory.edu/COLLEGE/students/honor.htm>.