**DEPARTMENT:** Biostatistics and Bioinformatics  
**COURSE NUMBER:** 500L  
**SECTION NUMBER:**  
**SEMESTER:** Fall  
**CREDIT HOURS:** 1  
**COURSE TITLE:** Statistical Methods I Lab

**INSTRUCTOR NAME:** Vary By Year

**COORDINATOR CONTACT INFORMATION**

EMAIL: pweiss2@sph.emory.edu  
PHONE: (404) 712-9641  
SCHOOL ADDRESS OR MAILBOX LOCATION: GCR 308  
OFFICE HOURS: Instructor Office Hours Vary by Year

**BRIEF COURSE DESCRIPTION**

This lab complements the Bios 500 courses by using hands-on demonstrations of statistical concepts and methods taught in lecture. The statistical software, SAS, will be introduced as a programming tools to accomplish many of these tasks.

**LIST SCHOOL LEVEL, DEPARTMENT, AND/OR PROGRAM COMPETENCIES**

(School, Department)  
Use analytic reasoning and quantitative methods to address questions in public health and population-based research  
Develop the capacity for lifelong learning in public health

**ACADEMIC HONOR CODE**

The RSPH requires that all material submitted by a student in fulfilling his or her academic course of study must be the original work of the student.
LIST LEARNING OBJECTIVES ASSOCIATED WITH THE COMPETENCIES

Students in the lab component for BIOS 500 will apply the statistical methods covered in the lecture directly to real datasets using SAS. SAS is a statistical package used world-wide for data management and analysis, and students completing BIOS 500 and the lab will be prepared to serve as research assistants at the CDC, Carter Center and any other public health research center relying on SAS or other packages for analytical methods. Students will learn how to read in data, produce descriptive statistics and graphs and complete a host of analyses based on the needs of the study and nature of the outcomes.

EVALUATION

Evaluation of students is based on weekly homework assignments. Grades are assigned based on a straight scale.