Instructor Information

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Office: Room 5233, Clinical and Translational Research Building
Office Hours: 1:00-2:00, Tuesday; or by appointment

Departmental Course Contact: Kristen Cason; CTRB 5220; phone: 352-294-5926

Course Overview
The purpose of this course is to introduce and prepare students for biostatistical computing using the SAS statistical software. It builds on the knowledge obtained in the Biostatistical Methods I and II courses by reinforcing the material and focusing on application within the SAS framework. This will prepare students for future SAS programming and analysis needs within future coursework, graduate assistantships, as well as for future marketability and employment. Topics covered include data management, frequency tables, linear and non-linear models, longitudinal data analysis, Matrix programming, simulation, and using SAS macros.

Prerequisites:
Biostatistical Methods I (PHC 6050C) and Biostatistical Methods II (PHC 6051)

Course Objectives and/or Goals:
Upon successful completion of the course, students should be able to (with SAS):
- Import, export, and manipulate datasets
- Initiate and perform basic and intermediate analyses
- Interpret output from common procedures
- Perform basic power analysis and create macros and simulations

Course Materials

Note: Note that 'The Little SAS Book' 5th edition is currently available in electronic version for free from the UF. We will go over how to access it in the first class.

http://library.books24x7.com/bookshelf.asp?

**Course Requirements/Evaluation/Grading**

Students are responsible for all course material, including reading required materials prior to each class. Failure to complete assignments will result in a failing grade.

The assessment will include class participation, homework and laboratory assignments, and a final exam. Class participation will include weekly attendance and participation in discussions.

Homework: Homework will be assigned approximately once a week. Students are encouraged to consult one another on homework problems and programming issues, but everyone should perform their own programming and write-up and turn in their own homework along with the code that produced it; no “blind copying” is permitted. Solutions will be handed out or gone over in class. Care should be taken with respect to detail of assignments. **Approximately half will be graded for completion and the other half for completion/content.**

Laboratory assignments may be worked on as individual or group exercises. Each member of the group must attest that there was equal participation in the final product with a statement such as “This assignment was equally contributed to by all team members”.

Analysis will be performed with the SAS software. Examples of the use of this software will be included extensively in assigned readings and classroom activities.

Info for Obtaining SAS:


Class participation: 10%
HW Assignments (expected 10 x 5%): 50%
Laboratory Assignments (2 x 7.5%): 20%
Final Exam (take home): 25%

The grading scale for this course consists of the standard scale, including minus grades, below. The conversion factors for grade point values that are assigned to each grade are also included (in parentheses):

93% - 100% = A (4.00)
90% - 92% = A- (3.67)
87% - 89% = B+ (3.33)
83% - 86% = B (3.00)
80% - 82% = B- (2.67)
77% - 79% = C+ (2.33)
73% - 76% = C (2.00)
70% - 72% = C- (1.67)
67% - 69% = D+ (1.33)
63% - 66% = D (1.00)
60% - 62% = D- (0.67)
Below 60% = E (0.00)

**Online Faculty Course Evaluation Process**

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results/

**Academic Integrity:**

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: “We, the members of the University of
Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. “You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code, the Graduate Student Handbook and these web sites for more details:

[https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/](https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/)
[http://gradschool.ufl.edu/students/introduction.html](http://gradschool.ufl.edu/students/introduction.html)

**Policy Related to Class Attendance and Late or Missed Assignments:**

Attendance of all class sessions is required. Please see the instructor as early as possible regarding possible absences. All assignments need to be handed in on time. Grading will penalize late assignments. Missed assignments will receive a zero score. Personal issues with respect to class attendance or fulfillment of course requirements (assignments, final presentation, class discussion) will be handled on an individual basis.

**Accommodations for Students with Disabilities**

If you require classroom accommodation because of a disability, you must first register with the Dean of Students Office (http://www.dso.ufl.edu). The Dean of Students Office will provide documentation to you, which you then give to the instructor when requesting accommodation. The College is committed to providing reasonable accommodations to assist students in their coursework.

**Counseling and Student Health**

Students may occasionally have personal issues that arise in the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling Center, 352-392-1575, or Student Mental Health Services, 352-392-1171. Visit their web sites for more information:


The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services, including primary care, women's health care, immunizations, mental health care, and pharmacy services. The clinic is located on the second floor of the Dental Tower in the Health
Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: [www.health.ufl.edu/shcc](http://www.health.ufl.edu/shcc)

Crisis intervention is always available 24/7 from:
Alachua County Crisis Center: (352) 264-6789.

BUT – *Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.*

**Class Demeanor Expected by the Professor (late to class, cell phones):**

Students are expected to show up for class prepared and on time. Cell phones are to be silenced during class unless there is an emergency, in which case please inform the instructor.