STAT 480.202: Introduction to SAS
SYLLABUS - SUMMER 2016

Instructor: Wanjun Liu (wx1204@psu.edu)
Office Hours: M & W 10:00 - 11:00 AM
TA: Keon Woo Kim (kfk5190@psu.edu)
Office Hours: T & R 1:00 - 2:30 PM

Course Description
SAS (Statistical Analysis System) is a software suite developed by SAS Institute for statistical analytics. This course introduces students to basic knowledge in programming, data management, and exploratory data analysis using SAS software. Students are provided the opportunity to learn a comprehensive set of SAS data-related techniques through lessons, demonstrations, and homework assignments. The material covered in Stat 480, in conjunction with the material covered in the sequel course Stat 481, is designed to prepare students for taking the SAS Version 9 Base Programming Certification Exam.

Course Prerequisites
Although Stat 480 is designed for all students, students are expected to have knowledge at least at the elementary statistics level (e.g., STAT 200). Although the primary focus of this course is to learn how to use the SAS programming language to manage and manipulate data, the course also addresses the computation of some descriptive statistics. Note: Students who have not had prior experience with a computer programming language should expect to spend more time on this course than those who have had prior experience.

Course Goals
The goals of the course are:

1. to introduce you to basic programming constructs, such as assignment statements and if/then/else statements
2. to learn how to program in the SAS software application
3. to provide you with an understanding of how the SAS application can be used effectively to manage, manipulate and analyze data
4. to learn a basic set of good programming practices
Required Course Materials:
There is no required textbook for this course. All the materials we use can be found on canvas (http://canvas.psu.edu/). However, you may find that the following books would serve as a good reference in the future:


If you come across another book that you are considering buying, and you want my opinion of the book, please don’t hesitate to ask. Additionally, there is a website for you to learn STAT 480, click here https://onlinecourses.science.psu.edu/stat480/.

Online material of SAS documentation (SAS 9.1) can be found at http://support.sas.com/91doc/.

Office Hours
During office hours, (which can be found at the very beginning of syllabus), the TA or I will be online to answer your questions. There is a discussion board on canvas, where you can post your questions, so the TA or I would answer your questions immediately. If it is not during regular office hours, you can still ask us questions (via email or canvas), we will reply as soon as possible.

Grading
The following is a summary of the requirements for the course, and the weight each requirement plays in the determination of your final grade.

- Weekly homework assignments - 40%
- Midterm exam (take home) - 25%
- Comprehensive final exam (take home) - 35%

Academic Integrity
All Penn State and Eberly College of Science policies regarding academic integrity apply to this course. See http://www.science.psu.edu/academic/Integrity/Policy.html for details. In particular, on exams, each student must complete his/her own work without aiding or receiving aid from anyone else in any way. Examples of infractions that will result in disciplinary action are listed under Categories of infractions on the ECOS academic integrity page.

ECOS Code of Mutual Respect
The Eberly College of Science Code of Mutual Respect and Cooperation (http://science.psu.edu/climate/code-of-mutual-respect-and-cooperation/)
Code-of-Mutual-Respect%20final.pdf) embodies the values that we hope our faculty, staff, and students possess and will endorse to make the Eberly College of Science a place where every individual feels respected and valued, as well as challenged and rewarded.

Disabilities
It is Penn State’s policy not to discriminate against qualified students with documented disabilities in its educational programs. If you have a disability-related need for modifications in this course, contact your instructor and the Office for Disability Services (located in 116 Boucke Building). Instructors should be notified as early in the semester as possible. You may refer to the Nondiscrimination Policy in the Student Guide to University Policies and Rules 1997. See the website http://www.equity.psu.edu/ods/ for details.

Emergencies
Campus emergencies, including weather delays, are announced on Penn State Live (http://psutxt.psu.edu/) and communicated to cellphones, email, the Penn State Facebook page, and Twitter via PSUTXT (to sign up, please see http://psutxt.psu.edu).