

STA 581: SAS System for Statistical Analysis Syllabus

Prerequisites: Permission of instructor. Familiarity with basic statistical concepts will be assumed, and thus a previous course in statistics is strongly recommended.

Instructor Information: Dr. Scott Richter, 107 Petty, 256-1123, scott_richter@uncg.edu.

Catalog Description: Creating, importing, and working with SAS data sets. Using SAS procedures for elementary statistical analysis, graphical displays and report generation.

Course Format: This is a fully online course. All announcements and course materials will be provided through Blackboard and students will submit assignments electronically on Blackboard. Students are required to use their UNCG email accounts.

Teaching Methods: Students will be expected to check Blackboard regularly for posting of notes, assignments and messages regarding the course. Course notes with exercises will be posted regularly. Students will interact with the instructor and other students via the Discussion Board. Assignments covering course topics will be collected periodically and graded. Information needed for successful completion of assignments will be from a combination of course notes, textbook readings and SAS Documentation. Assignments will be posted at least one week prior to their due date.

Learning Outcomes: Upon completion of the course, students should be able to:

- Create a SAS data set using various styles of input
- Import data from external sources into SAS
- Combine and modify SAS data sets
- Select and apply appropriate SAS procedures for basic statistical analysis and graphical displays
- Design customized output from SAS procedures using the Output Delivery System

Evaluation Methods and Guidelines for Assignments: Students will be evaluated based on performance on several homework assignments. Assignments are to be submitted on Blackboard. Each assignment will be graded with respect to correctness, organization and completeness. Students taking the course for graduate credit will be expected to complete tasks of greater complexity on assignments.

Students are encouraged to discuss solutions to assignments, but are expected to independently prepare final solutions for submission. All students are expected to abide by the [UNCG Academic Integrity Policy](#) at all times.

A percentage score (perfect score 1.0 or 100%) will be assigned to each assignment, and the average of these scores will be used to determine the final grade, according to the following scale:

<u>Graduate Students</u>		<u>Undergraduate Students</u>	
90%-100%	A or A-	90%-100%	A or A-
80%-89%	B+, B or B-	80%-89%	B+, B or B-
70%-79%	C+, C or C-	70%-79%	C+, C or C-
below 70%	F	60%-69%	D+, D or D-
		below 60%	F

**Late assignments are not generally accepted without prior arrangement, and will be assigned a score of zero. Technology issues (hardware, software, internet, etc.) will generally not be accepted as a reason to accept a late assignment.

Required Texts/Readings/References:

Delwiche & Slaughter (2012). *The Little SAS Book: A Primer, 5rd edition*. SAS Institute, Inc., Cary, NC. ISBN: 1-59047-333-7