Introduction to SAS
Fall 2012 Syllabus

Instructors
Bruno Arthur
Department of Agricultural Economics
University of Kentucky
E-mail: bruno.arthur@uky.edu

Course description
This self-contained two-hour lecture and hands-on training in a short workshop format introduces SAS to interested new users such as entering graduate students. This workshop is intended for users with basic understanding of Microsoft Excel. After taking this workshop, participants will be able to use SAS for basic data manipulation, data analyses, and regressions.

Topics covered
SAS Help and Documentation
Data file formats: Excel files, csv files & sas data .sas7bdat files
Creating library for SAS data files
Importing a csv file
Importing an Excel file
Printing data as output
Listing variables
Sorting data
Descriptive statistics
Output of descriptive statistics
Merging two files
Frequency distributions
Bar chart
Correlations
Sort and correlations by group
Data manipulations
Ordinary least square (OLS) regression
Generalized linear model (GLM)
Exporting file as a SAS file
Exporting file as a csv file
Exporting file as an Excel file

References
Katchova, Ani. 2011. "Introduction to SAS".
SAS class notes by UCLA: http://www.ats.ucla.edu/stat/sas/notes/default.htm
SAS Programming by UNC: http://www.cpc.unc.edu/research/tools/data_analysis/sastopics