Stats 212 - Applied Statistics with SAS  
Summer 2003

- **Description:**  
  This course is designed to teach students how to implement a variety of statistical techniques in the SAS programming language. The course is very hands on and will be project based.

- **Prerequisites:**  
  A basic familiarity with statistical methods is assumed (stats 200 or 191), but no SAS or computer experience is required.

- **Topics:**  
  - Reading in and Describing Data.  
  - Analyzing Categorical Data.  
  - Working with Date and Longitudinal Data.  
  - Correlation and Regression.  
  - T-Tests and Nonparametric Comparisons.  
  - Analysis of Variance.  
  - Repeated Measures Designs.  
  - Multiple Regression Analysis.  
  - Data Set Subsetting, Concatenating, Merging, and Updating.  
  - Working with Arrays.  
  - Using SAS Macros and other advanced programming techniques.

- **Lectures:**  
  MTWTh 10am – 10:50 in 160-330.

- **Lecturer:**  
  Victoria Stodden, Sequoia Hall 227, vcs@stanford.edu

- **TA:**  
  Charles Mathis, Sequoia Hall 227, cmathis@stat.stanford.edu

- **Textbook:**  

- **Class Web Page:**  
  [http://www.stanford.edu/class/stats212](http://www.stanford.edu/class/stats212)

- **Grading:**  
  No exams. 3 homeworks each worth 20% of your final grade and a final project worth 40%. Working together is encouraged on the homeworks, but you must turn in your own work. The final project must be completely your own work.

- **Late Days:**  
  Homework is due in class. Each student has two late days that allows them to turn in any homework up two days late (or two homeworks one day late each). Late days do not apply to the final project.