

Stat 551
Linear models I
Fall 2007
Syllabus

1. TIME: MWF 9:05-10:55
2. PLACE: 111 Thomas
3. INSTRUCTOR, OFFICE and EMAIL ADDRESS: Dr. Arnold, 313 Thomas Building, SFA@STAT.PSU.EDU
4. OFFICE HOURS: THURSDAY 9:30-11:00, 2:00-3:30 .
5. HOMEWORK: Required, due every Friday (Problems from MWF due on FRI.)
6. There will be no tests. Grade will be based on homework
7. PREREQUISITES: Stat 511-514
8. CONTENT: The theory behind many applied models including multiple regression (fixed and random regressors, structural regression and the Bergstrom variation), analysis of variance (crossed and nested effects, orthogonal and non-orthogonal effects, fixed and random effects, multiple comparisons), analysis of covariance and logistic regression,
9. COMPUTER: Students will also analyze real data in Minitab.
10. INTEGRITY: You may work on the homework together. However, students should not hand in identical answers (i.e. don't copy). Violations of this policy will be dealt with according to the procedures laid out on the ECOS web page.