

Tentative Syllabus
Statistics and Quantitative Methods
PSY 512
Winter 1989

Instructor: Robert Mauro
311 Straub
686-4917

TA's: Robert Rocklin
358 Straub
686-4912 ext 26

Office Hours: UH 15:30-16:30 and by appt

Texts: Pedhauzer, E. (1982) Multiple Regression in Behavioral Research.
CBS College Publishing: New York.
Hays, W.L., (1988) Statistics, Holt, Rinehart, & Wilson: San
Francisco.
University of Oregon Computing Center (1988) VAX User's manual.
SAS User's guide: Basics
SAS User's guide: Statistics

Class requirements: Complete take-home midterm (35% of grade) and final
(50% of grade) and weekly homework assignments (15% of grade).
Homework will be assigned and due each Thursday. The final will be
part take-home and part in-class. The computer package laboratory
will have additional assignments.

Main Course

1/5	Nested Designs and Random effects models	H:13
1/10	Nested Designs and Random effects models	
1/12	Repeated Measures and Randomized Blocks	
1/17	Repeated Measures and Randomized Blocks	
1/19	Post-hoc comparison	H:11
1/24	Linear Regression	P 1,2
1/26	Multiple linear regression	P 3,4,7,8
1/31	(Intro to matrix algebra)	P Appendix
2/2	(Partitioning variance)	H:Appendix D
2/7	(Regression diagnostics)	
2/9	Regression with dummy variables	P 9,10
2/14	(ANOVA as MLR)	
2/16	Trend Analysis	P 11
2/21	ANCOVA	P 12,13
2/23	ANCOVA	
2/28	Repeated measures in linear regression	P 14
3/2	Logistic regression	
3/7	Causal Analysis	P 15
3/9	Simultaneous equation estimation	
3/16	FINAL EXAM 10:15	