

ERSH 8310

Fall 2002

Texts:

Keppel (1991) - Design and Analysis: A Researcher's Handbook, 3rd Edition. Prentice- Hall.

Huck (2000) - Reading Statistics and Research, 3rd Edition. Addison-Wesley.

Calculator: Casio fx-300MS PLUS (< \$10 at Target, etc.)

Instructor: Wisenbaker

Lecture: G5-8 Aderhold

Computer Lab: 618 Aderhold

Meeting Times: Lecture - Tuesday and Thursday 5:00-6:15

Computer Lab - Specified Days 5:00-6:15

Office: 320 A Aderhold

Phone: 542-1179

E-Mail: joe@coe.uga.edu

Office Hours: 4:00-5:00 on days of class meetings and by appointment

Feel free to call, e-mail, or drop by my office should you have questions. If I am not otherwise engaged, I will attempt to respond to your questions immediately. Otherwise, I will return your call or e-mail, or schedule a time for us to talk as soon as possible.

Grading: Grades will be assigned as a function of student performance on homework assignments, examinations during the term, and the final examination. Nominally, homework will count 10%; exams during the quarter will count 45%; the final will count 45%. Points for homework will be based on it being turned in. To promote student learning, corrections will be encouraged on the two in-class examinations with half of the points missed returned. Since my perspective on grading is that it should be based on what the student can demonstrate by the end of the course, anyone whose performance on the final alone would merit a more favorable evaluation will be assigned a grade based only on the final. All examinations are cumulative.

Grades will be assigned based on performance as follows:

Points Earned	Grade Assigned
90-100%	A
80-<90%	B
70-<80%	C
60-<70%	D
<60%	E

Course Topics and Reading Assignments

Date	Topic	Keppel	Huck
August			
20	Introduction	Chapter 1	
	Design of Experiments		
22	Review of Statistical Inference	Chapter 2	Chapters 7, 8, 9
27	SPSS Lab		
29	One Way ANOVA	Chapter 3	Chapter 12
September			
3	One Way ANOVA	Chapter 3	Chapter 12
	Effect Size and Power	Chapter 4	
5	Effect Size and Power	Chapter 4	
10	Assumptions	Chapter 5	
	Analytical Comparisons	Chapter 6	
12	Analysis of Trend	Chapter 7	
17	Family-Wise Error Corrections	Chapter 8	Chapter 13

		Review for Exam 1		
	19	Exam 1		
	24	Factorial Design	Chapter 9	
	26	SPSS Lab		
October				
	1	Two-Way ANOVA	Chapter 10	Chapter 14
	3	Two-Way ANOVA	Chapter 10	Chapter 14
		Analyses of Main and Simple Effects	Chapter 11	
	15	Analyses of Main and Simple Effects	Chapter 11	
		Interaction Comparisons	Chapter 12	
	17	Analyses of Unbalanced Designs		
		Randomized Blocks and ANCOVA	Chapter 14	Chapter 18
	22	Randomized Blocks and ANCOVA	Chapter 14	Chapter 18
	24	Randomized Blocks and ANCOVA	Chapter 14	Chapter 18
		Review for Exam 2		
	29	Exam 2		
November				
	5	Within Subject Designs	Chapter 15	
	7	SPSS Lab		
	12	Single Factor Within Subjects Design	Chapter 16	Chapter 16
	14	Analyses of Main and Simple Effects in Mixed Two-Factor Within Subjects Designs	Chapter 17	
	19	Analyses of Main and Simple	Chapter 17	

Effects in Mixed Two-Factor
Within Subjects Designs

21 Analysis of Interaction Comparisons Chapter 18

26 Analysis of Interaction Comparisons Chapter 18

December

3 Analysis of Interaction Comparisons Chapter 18

5 Review for Final Exam

12 Final Exam (7:00-10:00 PM)