

**Statistics
Psychology 555**

<http://people.uncw.edu/myersb/psy555/index.htm>

Instructor: Dr. Bryan Myers

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Office hours: Mondays 3:45-4:45pm and Tuesdays 3:30-4:30 or by appt.

Text: Howell, D.C. (2010). Statistical Methods for Psychology (7th Ed.).

Meeting Times: T,TH 12:30-3:15 pm SB 108

TA: Justin Moss. email: jhm8356@uncw.edu

Office hours: Tuesday 11-12:30 in 105 SB, and Thursday 3:30-4:30 in 105 SB.

Method of Evaluation

There will be three exams in total; the third exam will be comprehensive. In addition, there will be a total of 8 homework assignments (typically involving SPSS).

Schedule*

Exam 1	Sept 24	25%	ch. 1, 2, 3, 4, 5, 6, 7
Exam 2	Oct 27	25%	ch. 7, 8, 9, 10, 11
Exam 3	Dec 10 (11:30am)	25%	ch. 12, 13, 14, 15 (comprehensive)
Homework		25%	
		100%	

In class examinations will require you to conduct statistical analyses by hand, read statistical output, and explain statistical concepts. Your grade will be assigned using the following scale:

92% or higher	= A
89-91%	= A-
86-88%	= B+
83-85%	= B
80-82%	= B-
70-79%	= C
< 70%	= F

Attendance: Attendance and participation is required. Missing an exam will result in a 0 unless authorized by instructor (e.g., prior approval or documented evidence of a serious medical condition preventing you from attending).

UNCW honor code: all work handed in must be your own. Any form of cheating or plagiarism will result in an F for the class. All homework assignments can be completed with the assistance of TAs or fellow classmates, but you must hand in your own work.

Important Dates: No class Oct 6th (fall break); Nov 10 (last day to withdraw with W); no class Thurs Nov 26 Thanksgiving; last class Tues Dec 1.

* This schedule is tentative and may be adjusted if necessary.

The following is a tentative schedule of materials covered. In actuality, we often must alter this slightly as the course progresses, depending on how well we get through the material. However, you can use this as a guide.

	topic Tuesday		topic Thursday
		20-Aug	intro
25-Aug	design and measurement central tendency and variability hypothesis testing with z scores power chi-square t-tests - spss - apa format fall break correlation regression/oneway anova intro exam #2 contrasts 2 way anova mixed anova multiple regression multiple regression	27-Aug	graphs and percentiles
1-Sep		3-Sep	z scores (ch3) - basic prob. ctl and type I and type II error
8-Sep		10-Sep	chi-square and measures of association
15-Sep		17-Sep	
22-Sep		24-Sep	exam #1
29-Sep		1-Oct	t-tests
6-Oct		8-Oct	correlation
13-Oct		15-Oct	regression
20-Oct		22-Oct	oneway anova
27-Oct		29-Oct	contrasts and posthoc
3-Nov		5-Nov	repeated measures anova
10-Nov		12-Nov	2 way anova - simple effects
17-Nov		19-Nov	mixed anova
24-Nov		26-Nov	thanksgiving
1-Dec			
8-Dec		10-Dec	final on Dec 10 11:30-2:30