

University of Toledo, Department of Psychology
Spring 2018; TR 11:10-12:30, UH 5150F
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: Relatively equal emphasis is placed on conceptual knowledge, as demonstrated on exams, and practical knowledge, as demonstrated on homework assignments. Class attendance is expected though no points are assigned. Lowest values for grades: A = 93% (525), A- = 90% (508), B+ = 87% (491), B = 83% (468), B- = 80% (452), C = 70% (396), D = 60% (339). I will assign grades based on how well you master the material but if the whole class does poorly on an exam or assignment, I will make adjustments. Late assignments lose 10% per day. Exam 1 = 30% Exam 2 = 30% Homework = 40%

: It is often very helpful to discuss class or homework topics with classmates. However, you must prepare all the material submitted for a grade on your own. It is not permissible to submit any material prepared by another student. You also may not collaborate during an exam.

: A tentative schedule is below, though it may be adjusted depending on our pace. I anticipate 12 homework assignments, with one due almost every week. The schedule for the exams will be fixed.

1	1/16	Introduction, Orientation, and Review	Howell: Ch 1	
	1/18	History and systems in data analysis; Data Transformations (Compute and recode), Data Functions (Split files, select and weight cases); Data Management (File import and export)	Field: Ch 1 & 2	
2	1/23	Data Management (continued), Data Restructure (Add cases, add variables, aggregate, cases to variables, variables to cases); Output Management System (OMS; capturing and reprocessing output)	Howell: Ch 2 & 3 Field: Ch 3 & 4 Behrens (1997) <i>GFC</i>	#1 SPSS Tutorial
3	1/30	OMS (continued)	Howell: Ch 4 & 7	#2 Data
	2/01	Review - Sampling Error and Confidence Intervals Review - Effect Sizes	Field: Ch 2, 5, & 9	Management, Transformations, and Functions
4	2/06	Review - Power	H: Ch 8 & 11; F: Ch 11	#3 Sampling
	2/08	Review - Oneway ANOVA	Cohen (1992); McGrath & Meyer (2006)	Distribution and the CLT
5	2/13	ANOVA	Howell: Ch 11	#4 Power, Effect
	2/15	Omnibus Statistics vs. Focused Contrasts (linear vs. nonlinear, weights)	Field: Ch 11	Size, & ANOVA
6	2/20	ANOVA - Multiple Comparisons and Type I Error Control via	Howell: Ch 12	#5 ANOVA
	2/22	Bonferroni with Multistage Adjustment (Holm/Larzelere & Mulaik) Multifactor ANOVA		Focused Contrasts
7	2/27	Multifactor ANOVA	Howell: Ch 13 & 14	#6 Multiple Mean
	3/01	Exam 1	Field: Ch 13 & 14	Comparisons
8	3/06			
	3/08			
9	3/13	() Repeated Measures ANOVA		
	3/15	Revisiting Interactions: Cell Means vs. Cell Residuals		
10	3/20	Simple Effects Analysis; Correlation	Howell: Ch 9, & 10 Field: Ch 13 & 7	#7 RM ANOVA
	3/22	Influences on Effect Sizes: Range Restriction and Enhancement		
11	3/27	Differences between dependent and independent correlations	Howell: Ch 9 & 10	#8 Correlation
	3/29	Regression	Field: Ch 8	
12	4/03	Multiple Regression	Howell: Ch 9 & 15	#9 Regression
	4/05		Field: Ch 8	
13	4/10	Multiple Regression	Howell: Ch 9 & 15	#10 Multiple Reg.
	4/12	Multiple Regression: Understanding Interactions (Moderation)	Field: Ch 10	
14	4/17	Multiple Regression: Moderation; Centered vs. Uncentered Results	Field: Ch 10	#11 Moderation
	4/19	Multiple Regression: Statistical Mediation	Preacher & Hayes (2008)	
15	4/24	Factor Analysis	Field: Ch 17	#12 Mediation
	4/26			
	5/03			