

PSY-6110: Quantitative Methods in Psychology - II

University of Toledo, Department of Psychology

Spring 2016; TR 11:00-12:15, UH 5150F

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MW 12:30-2:00; or by appt.

Assignments	Approx weight	Total possible points
2 exams- 50 pts each	45%	100
Homework assignments (10 out of 11 at 10 pts each)	45%	100
Class attendance and participation	10%	20
Total		220

Collaboration: 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.

Schedule: A tentative schedule is below, though it may be adjusted depending on our pace. I anticipate 1 homework assignments, with one due almost every week. The schedule for the exams will be fixed.

Wk	Date	Topic	Reading	HW Due
1	1/12 1/14	Introduction, Orientation, Review: descriptives, SPSS	Howell, Ch 1 (R=review) Field: Ch 1 (R) & 2	
2	1/19 1/21	SPSS environment -- Data Transformations, Data Functions, Data Management, Data Restructure	H: Ch 2 (R) & 3 (R) F: Ch 3 (R) & 4 (R)	HW #1
3	1/26 1/28	Review- z scores, assumptions Review - Sampling Error, Confidence Intervals, ANOVA	F: Ch 2 & 9 (R)	HW #2
4	2/02 2/04	Correlation Regression	F: Ch 7 F: 8 1-8 2	HW #3
5	2/09 2/11	Regression	F: 8 3-8.4	HW #4
6	2/16 2/18	Multiple regression	F:8-5-8.10	HW #5
7	2/23 2/25	Understanding interactions Moderation and mediation	F: 10	
8	3/01 3/03	Review/Finish regression Exam 1		HW #6
9	3/08 3/10	No Class - Spring Break		
10	3/15 3/17	Review- Oneway ANOVA and the GLM	H: 11 (R) F: 11 (R)	
11	3/22 3/24	Factorial ANOVA Understanding interactions	F: Ch 13	HW #7
12	3/29 3/31	Repeated measures ANOVA	F: Ch 14	HW #8
13	4/05 4/07	Mixed ANOVA	F: Ch 15	HW #9
14	4/12 4/14	ANCOVA MANOVA	F: Ch 12 F: 16	HW #10
15	4/19 4/21	Categorical analysis and logistic regression	F: Ch 18 (R) & 19	
16	4/26 4/28	Intro to multi-level modeling Exam 2	F: Ch 20	HW #11