

Huron University College
Department of Psychology

Psychology 2830A – Research in Psychology
Fall 2018

1.0 BASIC COURSE INFORMATION

1.1 Course Number: Psychology 2830A

1.2 Course Name: Research in Psychology

1.3 Class Times: Tuesdays 1:30-2:30 and Thursdays 12:30-2:30, W106

1.4 Instructor Information

Instructor: Dr. Sandra Hessels
Office: A215
Phone: (519) 438-7224 ext. 257
E-mail: shessel@uwo.ca
Office hours: Tuesdays 11:30-12:30 and Fridays 9:30-10:30 or by appointment
Course website: <http://owl.uwo.ca> {login & password = UWO login ID and password}

2.0. CALENDAR DESCRIPTION

An advanced treatment of the collection, analysis, and interpretation of behavioral data, reviewing and extending the topics covered in Psychology 1100E; problems in the design and conduct of studies and experiments, operational definitions, experimental control and recording of behavior, statistical treatment of data, including descriptive and inferential statistics.

Antirequisite: Psychology 2810 or the former 283Y

Prerequisite: at least 60% in Psychology 1100E.

3.0 COURSE LEARNING OBJECTIVES

By the end of the course students should be able to:

- choose appropriate statistical tests for data sets
- perform basic descriptive and inferential statistical procedures using hand calculations

4.0 DESCRIPTION OF CLASS METHODS

This course has two components:

- (1) lectures are designed to help students become acquainted with the rationale behind statistical procedures and the calculations involved
- (2) example data sets will provide practice in the application of knowledge of statistical procedures

5.0 REQUIRED TEXTS

Kiess, H.O. & Green, B.A. (2010). *Statistical Concepts for the Behavioral Sciences, Fourth Edition*. Boston, MA: Pearson.

6.0 EVALUATION

1. Midterm 1: September 27, 15%
Midterm 2: October 25, 20%
Midterm 3: November 15, 20%
All Midterm tests will be cumulative.
2. Class Participation (5%):
You are expected to follow along with all of the example problems covered in class. The participation grade will come from the submission of work done in class. Ten times during the term you will be asked to submit the work you did during class to the professor (e-mail or hard copy). Submissions received by the end of the day (5:00pm) will receive a point (10 points in total – 0.5% each – over the term) and those submitted late will receive a score of zero.
3. Final Exam (40%): The (cumulative) final exam will be scheduled by the Registrar's Office.

6.5 Late Penalties, Extensions, and Make-up Tests

Make-up tests will not be allowed. If a test is missed for a legitimate reason appropriate documentation must be submitted in a timely fashion. For further details, see the FASS Course Outline posted on OWL. If accommodation is granted, the remaining components of the evaluation will be re-weighted based on the remaining midterms. If more than 1 midterm is missed over the course, re-weighting will be at the discretion of the instructor. Note that re-weighting of a missed test will not be granted in order to facilitate travel arrangements (other than on compassionate grounds).

7.0 Statement Regarding Grades in Psychology at Huron University College

Students at Huron University College should consider a grade in the range from 70-74 to be evidence of satisfactory performance in a 2100-level Psychology course. Grades in the B+ (75-79) or A (80-89%) ranges will only be awarded for performance that is demonstrably superior to the second-year standard associated with the Major or Minor modules. A grade of A+ (90-100%) will only be awarded very rarely and only for work that is truly exceptional.

8.0 TENTATIVE SCHEDULE OF CLASSES

		Chapter
Sept 6	Introduction	1
Sept 11/13	Basic Concepts, Frequency Distributions and Graphs	2, 3
Sept 18/20	Central Tendency and Variability	4, 5
Sept 25	Normal Distribution, Probability, Standard Scores	6
Sept 27	Midterm #1	
Oct 2/4	Understanding Data Introduction to Hypothesis Testing	7, 8
Oct 9/11	FALL READING WEEK	
Oct 16/18	Differences between Means (t Tests)	9
Oct 23	ANOVAs	10, 11, 12
Oct 25	Midterm #2	
Oct 30/Nov 1	ANOVAs cont'd	
Nov 6/8	ANOVAs cont'd	
Nov 13	ANOVAs cont'd	
Nov 15	Midterm #3	
Nov 20/22	Correlation, Regression	13, 14
Nov 27/29	Nonparametric Tests	15
Dec 4/6	Review	

EXAMS December 10 – December 21, 2018