

# **AK/AS/SC PSYC 2021 3.0A– Statistical Methods I – Fall 2011**

Ed Haltrecht

Text: Gravetter, F.J. & Wallnau, L. (2009). *Statistics for the Behavioral Sciences*, 8th Edition, Belmont, CA: Wadsworth and the Aplia WEB system. ISBN- 0538777265

**Intended course sequence (While the content, and order of presentation is fixed, exact coverage on a class by class basis may be adjusted based upon progress and student feedback- check regularly with course instructor.)**

Sept 12	Introduction to course – explanation of the Aplia on-line review system Broad overview- Descriptive Statistics- mode, median, mean
Sept 19	Broad overview continued- range, variance, standard deviation, rules of thumb, percentiles
Sept 26	(Section heading numbers refer to text) 1.2 Populations and samples 1.4 Variable and measurement, Discrete and continuous variables 1.5 Statistical notation 2.1 – 2.4 Frequency distributions- tables, graphs, shape 2.5 Percentiles, percentile ranks 3.1 – 3.6 Central tendency 4.1 – 4.2 Range 4.3 – 4.6 Standard deviation, variance
Oct 3	5.1- 5.5 z-Scores 6.1- 6.3 Probability
Oct 17	7.1 – 7.4 The distribution of sample means.
Oct 24	<b>Exam 1 (2¾ hours)</b> worth 50% of final course grade - covering Chapters 1 - 7. 75% multiple choice (75 items) 25% problems where student must show work. (likely 5 items worth about 5 marks each) (No choices).
Oct 31	8.1 – 8.7 Hypothesis testing.
Nov 7	9.1 – 9.4 t-statistic 10.1 – 10.4 Hypothesis tests with two independent samples
Nov 14	11.1 – 11.4 Hypothesis tests with related samples 12.1 – 12.3 Estimation
Nov 21	16.1 – 16.4 Correlation
Nov 28	18.1 – 18.5 Chi-Square Statistic
Dec 5	In class individual/small group review of student requested areas.
Dec ???	<b>Exam 2 (3 hrs)</b> Worth 50% of final course grade- covering all material covered since Exam 1. Same format as Test 1. Check for new class room - Exact date during the final examination period (Dec 8 – 22) to be determined by Registrar's Office.
Last date to enrol without permission of course instructor – Sept 20	
Last date to enrol with permission of course instructor – Oct 4	
Last date to drop courses without receiving a grade – Nov 11	

Instructor: Ed Haltrecht, haltrech@yorku.ca Office hours, Phone number, office location to be announced

Secretary: Agnes Levstik 416 736-5125

## **TA's**

<b>Student last name beginning with</b>	<b>TA</b>	<b>TA &lt;e-mail address&gt;</b>
A-J	Megan Ames	mames@yorku.ca
K-O	Melissa Button	mbutton@yorku.ca
P-Z	Phil Chalmers	rphilip2@yorku.ca

TAs office location and hours to be announced

## **Missed Exams:**

There will be one deferred exam for Exam 1 in November, and another for Exam 2 in January. Students will be able to write only one deferred exam provided proper documentation is produced- if both exams are missed, students will have to retake the course.