HSS2381 Section C
Measurement and Data Analysis
Fall 2007

Instructor: Prof. Gordon Robertson, PhD, FCSB
Office: Montpetit 343, 562-5800 ext. 4253, e-mail: dger@uOttawa.ca

Course Objectives:

After completing this course, you should be able to demonstrate knowledge of statistical and probability terms and concepts, to describe data in mathematical and statistical terms, to perform various parametric and nonparametric statistical tests and to select appropriate statistical tests for comparing sampled data. Students will be encouraged to use computerized statistical software (i.e., SPSS) and/or statistical calculators (any calculator with two-variable statistics, e.g., Texas Instruments TI-35 or TI-36).

Course Evaluation:

Midterm exam:	30%	
Assignments:	30%	(nine assignments)
Final exam:	40%	

Course Text:

Triola, M.M. and Triola, M.F. (2006) Biostatistics for the Biological and Health Sciences. Toronto: Pearson/Addison Wesley. pp 699.

Course website: http://www.health.uottawa.ca/biomech/courses/hss2381

Course Content:	Book chapter
Introduction	Chapter 1
Describing, Exploring and Comparing Data	Chapter 2
Probability	Chapter 3
Discrete Probability Distributions	Chapter 4
Normal Probability Distributions	Chapter 5
Estimates and Sample Sizes with One Sample	Chapter 6
Midterm exam	
Hypothesis Testing with One Sample	Chapter 7
Inferences from Two Samples	Chapter 8
Correlation and Regression	Chapter 9
Multinomial Experiments and Contingency Tables	Chapter 10
Analysis of Variance (ANOVA)	Chapter 11
Nonparametric Statistics	Chapter 12

Assignments: Nine assignments will be given. Assignments will consist of questions from the textbook. They MUST be handed in on the week following your scheduled tutorial. Late assignments will be penalized. Assignments must include a separate cover page.
Although, students will work in groups during the tutorial, exact copying of an assignment from another student is considered plagiarism. It is academic misconduct and may be severely penalized.

Don't do it!