Department of Mathematics & Statistics
Concordia University

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STAT 480 (MAST 678/MAST 881G)
Statistical Data Analysis
Fall 2014

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Instructor: Dr. Lisa Kakinami, Office: LB 927-7 (SGW), Tel: (514) 848-2424, Ext. 3397
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Office Hours: Fridays, 10:00-12:00.

Text: i)   *Applied Statistics and the SAS Programming Language*, 5th Edition, Ronald P. Cody & Jeffrey K. Smith, Upper Saddle River, NJ: Pearson/Prentice Hall, 2006. (Recommended)
ii) *The Little SAS Book: A Primer*, 5th Edition, Lora Delwiche & Susan Slaughter, SAS Institute, 2012. (Recommended)

Other References: i)   *A Handbook of Statistical Analyses using SAS* (2nd Edition), Geoff Der and Brian S. Everitt, Chapman & Hall/CRC (2002).
ii) SAS Online Doc Version 9.1.3 (included with SAS software package). Free download of the documentation is available from SAS website.

Final Grade: (a) Assignments (30%)
(b) Two class Tests (20% + 30%)
(c) Final Project (20%)

Notes: 1)   Late assignments will not be accepted.
2)   In order to obtain a good grade, the student MUST show that she/he has a THOROUGH understanding of the subject and is good at problem solving.

Week	Topics to be Covered
1	A SAS Tutorial
2	The SAS INPUT Statement
3	External Files: Reading and Writing Raw and System Files
4	Data Set Subsetting, Concatenating, Merging, and Updating
5	Working with Arrays
6	Restructuring SAS Data Sets Using Arrays; **Test 1**
7	A Review of SAS Functions
8	Describing Data
9	Analyzing Categorical Data
10	Correlation and Simple Regression
11	Multiple Regression Analysis
12	Analysis of Variance; **Test 2**
13	**Review**