

**MAST 333 (MATH 637)**  
Applied Statistics  
**Winter 2015**

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**Office Hours:** Wednesdays 13:30–15:30, or by appointment.

**Text:** *Introduction to Probability and Statistics*, 3rd Canadian Edition, by W. Mendenhall, R. J. Beaver and B. M. Beaver, S. E. Ahmed (2014).

**Calculators:** Only calculators approved by the Department (with a sticker attached as proof of approval) are permitted in the class test(s) and final examination. The preferred calculators are the **Sharp EL 531** and the **Casio FX 300MS**, available at the Concordia Bookstore.

**Recommended:** MINITAB Student Version 14 for Windows Software and manual available bundled with the text.

**Final Grade:** (a) Assignments (20%)  
(b) Midterm Test (32%) (**Friday, 20 February 2015**)  
(c) Final Exam (48%)

**Notes:**

- (1) Assignments will be collected in class. Late assignments will not be accepted.
- (2) There will be no make up test. The final examination will cover everything taught in the course.
- (3) In order to obtain a good grade, you have to demonstrate a THOROUGH understanding of the subject and should be capable of PROVIDING basic results.
- (4) Please note that there are no supplemental privileges in this course.

Week	Chapters	Sections
1	Describing Data with Graphs	1.1-1.5
2	Describing data with numerical measures	2.1-2.7
3	Introduction to Minitab & Describing Bivariate data	3.1-3.4
4	The Normal (Gaussian) distribution	6.1 - 6.4
5	Sampling distribution	7.2-7.7
6	Large Sample Estimation	8.1-8.9
7	Large Sample Tests of Hypothesis	9.1-9.7 <b>MIDTERM TEST</b>
8	Inference from Small Sample	10.1-10.8
9	The Analysis of Variance	11.1-11.5, 11.7-11.9
10	Linear Regression & Correlation	12.1-12.7
11	Correlation & Multiple Regression Analysis	12.8, 13.2-13.4
12	Multiple Regression & Analysis of Categorical data	13.6-13.7, 14.1-14.3
13	Categorical Data Analysis & Review	14.4-14.7