STATISTICS 2060 /ECON 2260/ MATH 2060
FALL 2010
Introduction to Probability and Statistics I
COURSE INFORMATION

Instructor Information:

Instructor:	Prof. Ammar Sarhan
Time:	MWF 10:35-11:25
Place:	SIR JAMES DUNN 135
Office hours:	Tuesday 11:00-12:30; Thursday 11:30 - 12:30; (or by arrangement)
Office:	Chase building, room # 201
Phone:	494-6423
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Textbook: Probability and Statistics for Engineering and the Sciences (7^{th} Edition) by J. Devore

Lectures: Lecture notes be posted on the BLS site this will be done at least a day in advance of actual lecture.

Homework: There will be a total of approximately 9 (almost weekly) assignments these will be posted on BLS. Assignments should be submitted in the class on the day when they are due, at the beginning of class. Full solutions for the assignments will also be posted on BLS site. The best way to succeed in learning the class material is by fully working and understanding the assigned problems.
Your assignments will be graded by graduate students or senior undergraduates. They will expect work which is neat, legible, and which includes a sufficient amount of clear explanation that they do not have to guess what you have in mind. They are not required to accept assignments which are difficult to read. Please use 8.5 × 11 paper and fasten your pages together with a staple.

Exams: There will be a total of 3 exams 2 midterms and 1 final exam, which is cumulative. The exams will be closed-book with one page of notes allowed. The schedule for the exams are

- Midterm exam 1: Friday - October 15 from 6:00-7:30 (classroom TBA)
- Midterm exam 2: Friday - November 19 from 6:00-7:30 (classroom TBA)
- Final exam: TBA

Grading: Your grade is determined by a weighted combination of the homework, two midterms and the final exam according to the following weights:

MARKING SCHEME

Assignments	20%
Midterm exam - 1	15% - Friday - Oct 15th
Midterm exam – 2	15% - Friday - November 19th
Final exam	50%

There will be no supplemental examination in this course.

In the event that your final exam grade exceeds your midterm grades, the weights for the midterms will change to 20% and 60% respectively. *To pass the course you must obtain an overall average of 50% and 40 out of the 80 points assigned to the two midterms plus final*. Your numeric grade will be converted to a letter grade according to the following scheme.

A+	90 - 100%	B+	77.0 - 79.9%	C+	67.0 - 69.9%	D	50.0 - 59.9%
A	85 - 89.9%	B	73.0 - 76.9%	C	63.0 - 66.9%	F	0 - 49.9
A-	80 - 84.9%	B-	70.0 - 72.9%	C-	60.0 - 62.9%		

Help: Mathematics and Statistics Learning Centre is available to help students enrolled in core Mathematics and Statistics classes. To know more, please visit http://www.mathstat.dal.ca/learning/learningcenter.html

Illness: If you know before an exam that you will be absent due to illness, then send me email or call me or the department secretary (494-6909). Failure to do so may result in a grade of zero. A doctor's certificate of your illness must be provided to me.

Prerequisites: MATH 1000 or MATH 1215 and either MATH 1010 or 2030.

Outline of Topics to be Covered – all from Devore:

Chapter	Topic
1	Descriptive statistics
2	Probability
3	Discrete random variables and distributions
4	Continuous random variables and distributions
5	Joint probability distributions
6	Point estimation
7	Confidence intervals based on a single sample
8	Hypothesis tests based on a single sample
9	Inference based on two samples