STATISTICS 2060 /ECON 2260/ MATH 2060
SUMMER 2015
Introduction to Probability and Statistics I

COURSE INFORMATION

Instructor Information:

Instructor:	Dr. Ammar Sarhan
Time:	MWWR 18:05-20:45
Place:	Studley KENNETH C ROWE MANAG 1020
Office hours:	MW 17:00-17:55
	These officer hours are mainly for administrative issues
Office:	Chase building, room # 105
Phone:	494-1981
E-mail:	asarhan@mathstat.dal.ca

Textbook: Probability and Statistics for Engineering and the Sciences 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 8 online assignments.

Exams: There will be a total of 2 exams 1 midterm and 1 final exam, which is not cumulative. The exams will be closed-book with: (1) three pages (one side each) for the midterm and (2) four pages (one side each) for the final of notes allowed. **The notes should not contain examples or proofs.** The schedule for the exams are:

- o Midterm exam: Tuesday - June 11 (in class)
- o Final exam: June 25 (in class)

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

Marking Scheme

		Total Grade	Letter Grade
Assignments	30%	90 to 100 %	A+
Midterm	30%	85 to 89.9 %	A
Final	40%	80 to 84.9 %	A-
		75 to 79.9 %	B+
		70 to 74.9 %	B
		65 to 69.9 %	B-
		62 to 64.9 %	C+
		58 to 61.9 %	C
		55 to 57.9 %	C-
		50 to 54.9 %	D
		<50 %	F

There will be no supplemental examination in this course.

Help: For help with course content, please ask questions in class or visit the Math/Stat Learning Center - Chase Bldg, main floor.

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.

Outline of Topics to be covered – all from Devore:

Chapter	Topic
1	Descriptive statistics (just for review)
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