

STATISTICS 2060 / ECON 2260 / MATH 2060
FALL 2018

Introduction to Probability and Statistics I
COURSE INFORMATION

Instructor Information:

Instructor:	Dr. Ammar Sarhan
Time:	MWF 10:35-11:25
Place:	Carleton TUPPER BLDG THTR B
Office hours:	MW 12:35-13:20 & F: 9:00-10:00
Office:	Chase building, room # 105
Phone:	902-494-1981
E-mail:	ammar.sarhan@dal.ca

Textbook: Probability and Statistics for Engineering and the Sciences, 9th edition, by J. Devore

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

Tutorials: There will be 10 weekly tutorials starting from week 3. At the end of every tutorial there will be 10-15 minutes quiz.

Homework: There will be a total of 9/10 online assignments (almost weekly). The assignments will be open for at least one week before the due. No late assignments will be accepted.

Course Websites:

- Brightspace: for the content of the course material, except the homework.
- CAPA: for the homework

How to Login to LON-CAPA:

1. In your web browser, go to <http://capa.mathstat.dal.ca>.
2. You will be prompted to enter a username and password. By default, your username is your Dalhousie NetID and your password is your banner number (your Dalhousie student number that starts with B00). Your full banner number must be entered, that is: the upper-case letter B, followed by two zeros, then followed by 6 digits.
3. You then have to select a role for the course you wish to enter. Most likely, you will have only one choice: a student user role for the course titled "Stat 2060". Click on the Select button next to that choice.
4. You will be directed to the home page of the course. Navigation is easiest by using the tabs in the top blue bar. The Contents tab is where the assignments will be posted.
5. For increased security and convenience, you should change the default password to the one you use for all other Dalhousie-related activities. Click on the Main Menu tab in the top blue bar, then click on Set my user preferences and then click on Password. Enter the current (default) password and enter (twice) your new password.

Exams: There will be a total of 2 exams (1 midterm and 1 final exam). The exams will be closed-book with one page (double sided) of notes allowed. The schedules for the exams are:

- o Midterm: Tuesday, October 16 (7:30-9:30 pm) – Rowe Building # 1028.
- o Final exam: TBA

Illness: If a student does not feel well (due to illness) a day before the midterm or on the midterm's day, he/she should contact me, or the department secretary (494-6909), and show me a doctor note (not a nurse note). Failure to do so may result in a grade of zero. A doctor's certificate of your illness must be provided to me.

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

Assignments	20%	<ul style="list-style-type: none"> • To pass the course, you must get at least 50% of the two exams (midterm and final) combined. • The final exam ONLY covers materials that were not on the midterm (not-comulative)
Tutorials	10%	
Midterm	25%	
Final	45%	

Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

A+ (90-100)	B+ (77-79)	C+ (65-69)	D	(50-54)
A (85-89)	B (73-76)	C (60-64)	F	(<50)
A- (80-84)	B- (70-72)	C- (55-59)		

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.

Prerequisites: MATH 1000.

Outline of Topics to be covered – all from Devore:

Chapter	Topic
1	Descriptive statistics (Read it)
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