Department of Mathematics & Statistics
Concordia University

> **STAT 249**
> Probability I
> ***Winter 2017***

Instructor: Dr. L. Aggoun, Office: LB 921-21 (SGW), Phone: 514-848-2424, Ext. 3252
Email: lakhdar.aggoun@concordia.ca

Office Hours: Tuesdays, Thursdays, 10:30-12:15; Wednesdays, 12:00-13:00.

Text: *Mathematical Statistics with Applications*, 7th Edition, by D. D. Wackerly, W. Mendenhall III and R. L. Scheaffer, Duxbury Press, 2007.

Calculators: Only calculators approved by the Department (with a sticker attached as a proof of approval), such as **Sharp EL 531** or the **Casio FX 300MS**, available at the Concordia Bookstore, are permitted for the class test and final examination. See https://www.concordia.ca/content/dam/artsci/math-stats/docs/AppCalculatorList.pdf for a list of approved and non-approved calculators.

Assignments: Assignments are compulsory. Students are expected to submit their assignments in class. **Late assignments will not be accepted.**

Test: Only **ONE MIDTERM** test will be held during the **7th or 8th week**. **NO MAKE UP TERM EXAM.**

Final Exam: There are no exemptions from this three-hour exam.

Final Grade: The final grade will be based on the higher of (a) or (b):

(a) The weighted average of assignments (10%), **one** mid-term test (30%), and the final exam (60%).

(b) The weighted average of assignments (10%), **one** mid-term test (10%), and the final exam (80%).

Important: Please note that there is no "100%" final exam option in this course. Midterm test missed for any reason, including illness, cannot be made up. If you miss midterm test because of illness (to be confirmed by a valid medical note) the final exam can count for 90% of your final grade.

Notes:
(1) 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.

(2) The final exam will cover everything taught from beginning to end.

Week	Topics to be covered
1	Section: 2.3, 2.4, 2.5
2	Section: 2.6, 2.7
3	Section: 2.8, 2.9, 2.10
4	Section: 2.11, 3.1, 3.2
5	Section: 3.3 Section: 3.4 (Thm 3.7 without proof)
6	Section: 3.5 (Thm 3.8 without proof), 3.6
7	Section: 3.7, 3.8, 3.9
8	Section: 3.10, 3.11, 4.2
9	Section: 4.3, 4.4
10	Section: 4.5, 4.6
11	Section: 4.7, 4.9, 4.10
12	Section: 4.11, 5.2, 5.3
13	Section: 5.4, 5.5, 5.6 & **Review**