

**STAT 249**  
Probability I  
*Winter 2016*

- Instructor:** L. Aggoun, Office: LB 921-21 (SGW), Phone: 514-848-2424, Ext. 3252  
Email: lakhdar.aggoun@concordia.ca
- Office Hours:** Monday, 12:00 – 1:00  
Tuesday, 11:00 – 12:00  
Wednesday, 11:00 – 1:00  
Thursday, 11:00 – 12:00
- 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**.
- 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:**
- (a) Please note that there is no “100%” final exam option in this course.
  - (b) 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 & <b>Review</b>