

Department of Mathematics & Statistics
Concordia University

STAT 249
Probability I
Fall 2014

Instructor*: _____

Office/Tel No: _____

Office Hours: _____

*Students should get the above information from their instructor during class time. The instructor is the person to contact should there be any questions about the course.

Course Examiner: Dr. E. Duma

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

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 averaged 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 or 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) There will be no make-up tests. The final exam will cover everything taught from beginning to end.
- (3) Only **ONE MIDTERM** test will be held during the **7th or 8th week**.

Calculators: Only calculators approved by the Department (with a sticker attached as proof of approval) are permitted in the class test and final examination. The preferred calculators are the **Sharp EL 531** and the **Casio FX 300MS**, available at the Concordia Bookstore.

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
8	Section: 3.9, 4.2
9	Section: 4.3, 4.4
10	Section: 4.5
11	Section: 4.6, 4.7, 4.9
12	Section: 5.2, 5.3
13	Section: 5.4, 5.5& Review