Department of Mathematics & Statistics
Concordia University

STAT 249
Probability I
Fall 2015

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.

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 Not-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 & **Review**