Department of Mathematics & Statistics
Concordia University

> ## MAST 221
> Applied Probability
> *Fall 2014*

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Office Hours: **Mondays and Wednesdays, 12:00-12:50,** or by appointment.

Text: *John E. Freund's Mathematical Statistics,* 8th Edition, by I. Miller and M. Miller, Prentice-Hall Canada Inc. (2013).

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**.

Assignments: Assignments are given bi-weekly (to be posted on the *Moodle* site later). Students are expected to submit their assignments in class. **Late assignments will not be accepted.** There is not enough class time to do all examples needed for a good understanding of the material, and so students are strongly encouraged study and examine all the examples in the textbook and do as many problems on their own as their time permits.

Test: There will be one class test during the course (week 8 on Wednesday). **Missed tests cannot be made up.**

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

Final Grade: The final grade will be based on:
10% for the assignments, 25% for the class test, and 65% for the final exam.

IMPORTANT: **PLEASE NOTE THAT THERE IS NO "100% FINAL EXAM" OPTION IN THIS COURSE.**

Note: (1) In order to obtain a good grade, you have to demonstrate a THOROUGH understanding of the subject and should be capable of PROVING basic results.

(2) The final examination will cover everything taught in the course.

Week	Topics
1	2.1, 2.2, 2.3, 2.4
2	2.5, 2.6, 2.7, 2.8
3	3.1, 3.2, 3.3, 3.4
4	3.5, 3.6
5	3.7
6	4.1, 4.2, 4.3
7	4.5, 4.6, 4.7, 4.8
8	5.1, 5.2, **MID TERM TEST** (Chapters 2, 3, 4)
9	5.3, 5.4
10	5.5, 5.6, 5.7
11	6.2, 6.3
12	6.3 (Cont'd)
13	6.5, 6.6 & **Review**