

MAST 221
Applied Probability
Fall 2015

- Instructor:** Dr. D. Sen, Office: LB 1041-21 (SGW), Phone: (514) 848-2424, Ext. 3241
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- Office Hours:** Mondays, 11:00–12:30 PM.
- Text:** *John E. Freund's Mathematical Statistics with Applications*, 8th Edition, by I. Miller and M. Miller, Pearson Education, Inc. (2014).
- 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 (20%), and the final exam (70%).
 - (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: 2.1, 2.2, 2.3, 2.4
2	Section: 2.5, 2.6, 2.7, 2.8
3	Section: 3.1, 3.2, 3.3, 3.4
4	Section: 3.5, 3.6, 3.7
5	Section: 3.8, 4.1, 4.2
6	Section: 4.3, 4.4, 4.5
7	Section: 4.6, 4.7, 4.8, 4.9
8	Section: 5.1, 5.2
9	Section: 5.3, 5.4
10	Section: 5.5, 5.6, 5.7
11	Section: 6.2, 6.3
12	Section: 6.4, 6.5
13	Section: 6.6 & Review