

STAT 452 (MAST 679K/MAST 872)
Introduction to Stochastic Processes
Winter 2015

Instructor: Dr. X. Zhou, Office: LB 921-19 (SGW), Tele: 848-2424, Ext. 3220
Email: xiaowen.zhou@concordia.ca

Office Hours: Wednesday, 9:30-11:00.

Text: *Introduction to Stochastic Processes*, 2nd Edition, by Gregory F. Lawler, Chapman & Hall/CRC (2006).

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

Term Exam: There will be one mid-term exam during the seventh week of the class. **There will be NO MAKE UP TERM 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 examination (60%).
(b) Final examination (100%).

Notes:

- (1) Late assignments will not be accepted.
- (2) 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.
- (3) The final examination will cover everything taught in the course.

Week	Topics to be covered
1	Section: 1.1, 1.2, 1.4, 1.5, 2.1, 2.2
2	Section: 2.4, 3.1, 3.2, 3.3
3	Section: 4.1, 4.2, 4.3
4	Section: 5.1, 5.2, 5.3, 5.4
5	Section: 5.5, 5.6
6	Section: 8.1, 8.2
7	Section: 8.3, 8.4, 8.5
8	Section: 8.6, 8.7, 8.8
9	Section: 9.1, 9.2
10	Section: 9.3, 9.4
11	Section: 9.5, 9.6
12	Section: 9.7, 9.8
13	Review