Department of Mathematics & Statistics
Concordia University

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STAT 287
Statistics Lab I
Winter 2021

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Instructor: Ms. A. Sen
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Preface: Due to exceptional circumstances, this course will be taught, and all
                          assessments will be done completely ONLINE. There will be video lectures
                          via Zoom during the scheduled course hours and the slides will be
                          subsequently posted on Moodle. Given the subject matter and the nature of
                          this course, there will be only one final examination. The final exam will be
                          given online through the Moodle platform.

Class Schedule: Wednesdays, 18:00-20:15.
                          From March 9 to April 6, 2021.

Reference Books: ACTEX Study Manual for SOA Exam P, by S. A. Broverman, ACTEX, Spring
                          2019 Edition.

                          ASM Study Manual for Exam P, by A. Weishaus, 3rd Edition, 2018.

                          ASM Study Manual for Exam P/Exam 1, by K. Ostaszewski, 17th Edition (for
                          2016).

Outline: The objective of this lab is to help prepare for Preliminary Actuarial Exam P
                          (Probability) of the Society of Actuaries and the identical Exam 1 of the
                          Casualty Actuarial Society.   This lab is a supplement to Actuarial
                          Mathematics Lab I. This lab first develops knowledge of the fundamental
                          probability tools for quantitatively assessing risk. The application of these
                          tools to problems encountered in actuarial science is then emphasized
                          through problem solving sessions.   More advanced probability and
                          supporting calculus techniques in actuarial science are also studied in this lab.

Course Evaluation: Based on the final examination only (100%).

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

Calculators: Only the following models of Texas Instruments calculators are approved:
- BA-35
- BA II Plus
- BA II Plus Professional
- TI-30Xa
- TI-30X II (or IIS solar or IIB battery)
- TI-30XS MultiView (or XB battery)
- Calculators approved by the Department of Mathematics & Statistics
  See: http://www.concordia.ca/artsci/math-stats/services.html#calculator

Academic Integrity and the Academic Code of Conduct

This course is governed by Concordia University's policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia's website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: concordia.ca/students/academic-integrity." *[Undergraduate Calendar, Sec 17.10.2]*

Behaviour

All individuals participating in courses are expected to be professional and constructive throughout the course, including in their communications.

Concordia students are subject to the Code of Rights and Responsibilities which applies both when students are physically and virtually engaged in any University activity, including classes, seminars, meetings, etc. Students engaged in University activities must respect this Code when engaging with any members of the Concordia community, including faculty, staff, and students, whether such interactions are verbal or in writing, face to face or online/virtual. Failing to comply with the Code may result in charges and sanctions, as outlined in the Code.

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Extraordinary circumstances

In the event of extraordinary circumstances and pursuant to the Academic Regulations the University may modify the delivery, content, structure, forum, location and/or evaluation scheme. In the event of such extraordinary circumstances, students will be informed of the change.