

**STAT 287**  
Statistics Lab I  
*Winter 2020*

**Instructor:** Ms. A. Sen, Office: LB 916 (SGW), Phone: 514-848-2424, Ext. 3260/3223  
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**Class Schedule:** Tuesdays, 18:00-20:15 in H-539, SGW.  
From March 3 to March 31, 2020.

**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 (with a sticker as proof of approval)

**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](http://concordia.ca/students/academic-integrity)." [*Undergraduate Calendar, Sec 17.10.2*]