

STAT 287
Statistics Lab I
Winter 2026

Instructor: Mr. Ethan Wong
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Class Schedule: Tuesdays, 17:45-20:15, From March 10 to April 7, 2026.

Office Hours: TBA.

Reference Books: ACTEX Study Manual for SOA Exam P, by S. A. Broverman, ACTEX, Spring 2019 Edition. Available to purchase online at <https://www.actexamdriver.com/OrderSelection.aspx?terms=broverman>

Note: The textbook from previous STAT courses, along with the practice problems on the SOA website (provided below) will suffice.

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).

Practice Questions: <https://www.soa.org/globalassets/assets/files/edu/edu-exam-p-sample-quest.pdf>

Outline: The objective of this lab is to help prepare for the Preliminary Actuarial Exam P (Probability) of the Society of Actuaries and the identical Exam 1 of the Casualty Actuarial Society. The lab is meant as a supplement to STAT249 and STAT250. The lab will involve a mix of theory and problem-solving designed to develop knowledge of the fundamental probability tools for assessing risk and to apply these tools to problems encountered in actuarial science. The emphasis on different sections of the exam P material will be decided in class.

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

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).

For a list of Approved calculators see

<http://www.concordia.ca/artsci/math-stats/services.html#calculators>.

Student Services

You may wish to access the many services available to you as a Concordia student. An overview of these resources can be found here: <https://www.concordia.ca/students/services.html>

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