



ORIGINAL COURSE IMPLEMENTATION DATE: July 1994
 REVISED COURSE IMPLEMENTATION DATE: September 2023
 COURSE TO BE REVIEWED (six years after UEC approval): March 2029
 Course outline form version: 06/18/2021

OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

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| Course Code and Number: MATH 450 | | Number of Credits: 3 Course credit policy (105) | |
| Course Full Title: Statistical Theory Course Short Title: Statistical Theory | | | |
| Faculty: Faculty of Science | | Department (or program if no department): Mathematics & Statistics | |
| Official Course Outline: This is a cross-listed course. Please refer to STAT 450 for the official course outline. | | | |
| Calendar Description: The theory of probability and distributions includes an examination of the distribution of functions of random variables, moment generating functions, order statistics, sampling distributions, and the concepts of convergence in probability and convergence in distribution. Theory underlying applications such as estimation methods, complete and sufficient statistics, confidence intervals, and testing hypothesis is also considered. Note: This course is offered as STAT 450 and MATH 450. Students may only take one of these for credit. | | | |
| Prerequisites (or NONE): | | MATH 370/STAT 370 or (MATH 270/STAT 270 and MATH 211). | |
| Corequisites (if applicable, or NONE): | | NONE | |
| Pre/corequisites (if applicable, or NONE): | | NONE | |
| Antirequisite Courses (<i>Cannot be taken for additional credit.</i>) Former course code/number: Cross-listed with: STAT 450 Equivalent course(s): STAT 450 <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i> | | Transfer Credit (See bctransferguide.ca .) Transfer credit already exists: No Submit outline for (re)articulation: No <i>(If yes, fill in transfer credit form.)</i> | |
| Department / Program Head or Director: Ben Vanderlei | | Date approved: January 23, 2023 | |
| Faculty Council approval | | Date approved: March 3, 2023 | |
| Undergraduate Education Committee (UEC) approval | | Date of meeting: March 24, 2023 | |