

OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

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

Course Code and Number: MATH 370		Number of Credits: 3 Course credit policy (105)	
Course Full Title: Probability and Stochastic Processes Course Short Title: Probability & Stochastic Proc. <i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>			
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 370 for the official course outline.			
Calendar Description: Theory of probability and stochastic processes for science and mathematics students. Topics include probability space, conditional probability and independence, continuous and discrete random variables, jointly distributed random variables, expectation, conditional expectation and properties, simulating data from distributions, limit theorems, Markov chains and Poisson processes, and Markov Chains Monte Carlo (MCMC). Note: This course is offered as STAT 370 and MATH 370. Students may only take one of these for credit.			
Prerequisites (or NONE):		MATH 211.	
Corequisites (if applicable, or NONE):			
Pre/corequisites (if applicable, or NONE):			
Antirequisite Courses <i>(Cannot be taken for additional credit.)</i> Former course code/number: Cross-listed with: STAT 370 Dual-listed with: Equivalent course(s): STAT 370 <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 Transfer credit already exists: (See bctransferguide.ca .) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Submit outline for (re)articulation: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>	
Department / Program Head or Director: Ian Affleck		Date approved:	August 28 2019
Faculty Council approval		Date approved:	October 4, 2019
Dean/Associate VP: Lucy Lee		Date approved:	October 4, 2019
Campus-Wide Consultation (CWC)		Date of posting:	n/a
Undergraduate Education Committee (UEC) approval		Date of meeting:	January 31, 2020