STA347H1 F

Probability

Fall 2025 Syllabus

Course Meetings

STA347H1 F

Section	Day & Time	Delivery Mode & Location
LEC0101	Tuesday, 11:00 AM - 1:00 PM Thursday, 11:00 AM - 12:00 PM	In Person: BL 205 In Person: PB B250

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Course Contacts

Instructor: Zhou Zhou
Email: zhou.zhou@utoronto.ca
Phone: 4169783649
Office Hours and Location: Thursdays 3:20 pm to 4:45 pm. Online.

Course Overview

An overview of probability from a non-measure theoretic point of view. Random variables/vectors; independence, conditional expectation/probability and consequences. Various types of convergence leading to proofs of the major theorems in basic probability. An introduction to simple stochastic processes such as Poisson and branching processes.

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Prerequisites: STA247H1(70%)/ STA255H1(70%)/ STA237H1(70%)/ STA257H1/ ECO227Y1/ STAB52H3/ STA256H5; MAT223H1/ MAT224H1/ MAT240H1/ MATA22H3/ MATA23H3/ MAT223H5/ MAT240H5/ MATB24H3/ MAT224H5; MAT235Y1/ MAT237Y1/ MAT257Y1/ (MATB41H3, MATB42H3)/ (MAT232H5, MAT236H5)/ (MAT233H5, MAT236H5) (Note: STA257H1, MAT223H1/MAT240H1, MAT237Y1/MAT257Y1 are very strongly recommended)
Corequisites: None
Exclusions: MAT370H1, MAT377H1, STAC62H3, STA348H5
Recommended Preparation: None
Credit Value: 0.5

Course Materials

Peter Whittle (2000). Probability via Expectation, fourth edition. SpringerVerlag, New York

Marking Scheme

Assessment	Percent	Details	Due Date
Term Test	35%	2-hour in person exam	2025-10-14
In-Person Final Exam	55%		Final Exam Period

Assignments: 10% Four times. The lowest assignment score will be dropped.

Late Assessment Submissions Policy

100% penality for late submission without good reasons. For late submission with plausible causes, the penality will be determined case by case.