

**DEPARTMENT OF MATHEMATICS & STATISTICS
FACULTY OF ARTS AND SCIENCE
QUEEN'S UNIVERSITY**

Advice for students in third or fourth year during 2024–25



Complete information about program requirements, courses of study, and academic regulations can be found in the Faculty of Arts and Science Academic Calendar.

For advice about degree programs or courses, please email the Chair of Undergraduate Studies at mastugch@queensu.ca



300- AND 400-LEVEL COURSES IN 2024–25

The Department of Mathematics & Statistics plans to offer the following courses in Fall 2024.

Number	Name	Term
MATH 310	Group Theory	F
MATH 326	Functions of a Complex Variable	F
MATH 331	Ordinary Differential Equations II	F
MATH 337	Introduction to Operations Research Models	F
MATH 347	Introduction to Topology	F
MTHE 351	Probability I	F
STAT 361	Applied Methods in Statistics I	F
MATH 381	Mathematics with a Historical Perspective	F
MATH 421	Fourier Series	F
Math 429	Functional Analysis & Quantum Mechanics	F
MTHE 430	Modern Control Theory	F
MATH 433	Continuum Mechanics with Applications	F
STAT 455	Stochastic Processes and Applications	F
STAT 462	Statistical Learning I	F
STAT 463	Fundamentals of Statistical Inference	F
STAT 464	Discrete Time Series Analysis	F
STAT 473	Generalized Linear Models	F
MATH 474	Information Theory	F

The Department of Mathematics & Statistics plans to offer the following courses in Winter 2025.

Number	Name	Term
MATH 300	Modeling Techniques in Biology	W
MATH 311	Elementary Number Theory	W
Math 328	Real Analysis	W
MATH 335	Mathematics of Engineering Systems	W
STAT 353	Probability II	W
STAT 362	R for Data Science	W
MATH 385	Life Contingencies	W
MATH 401	Graph Theory	W
MATH 413	Introduction to Algebraic Geometry	W
STAT 456	Bayesian Analysis	W
STAT 457	Statistical Learning II	W
MATH 472	Optimization and Control of Stochastic Systems	W
MATH 477	Data Compression & Source Coding: Theory & Algorithms	W
STAT 486	Survival Analysis	W
MATH 487	Stochastic Calculus with Applications to Mathematical Finance	W

ALTERNATE YEAR COURSES

Offered in 2024–2025 and not likely offered in 2025-26.

MATH 300, MATH 310, MATH 311, MATH 381
MATH 401, MATH 413, MATH 421

Not offered in 2024–2025 and likely offered in 2025-26.

MATH 314, MATH 339, MATH 341, MATH 382, MATH 384, MATH 386, MATH 387
MATH 402, MATH 406, MATH 414, MATH 418, MATH 427, STAT 466, STAT 471



Graduate courses at the 800-level are available to Level 4 students who have an excellent academic record and obtain permission from the Department.