

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

Advice for students in third or fourth year during 2023–24



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 2023–24

The Department of Mathematics & Statistics plans to offer the following courses in Fall 2023.

Number	Name	Term
MATH 310	Group Theory	F
MATH 326	Functions of a Complex Variable	F
MTHE 351	Probability I	F
STAT 361	Applied Methods in Statistics I	F
MATH 384	Mathematical Theory of Interest	F
MATH 387	Elementary Geometry – An Advanced Perspective	F
MATH 402	Enumerative Combinatorics	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
MATH 474	Information Theory	F
MATH 499	Topics in Mathematics	F

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

Number	Name	Term
BIOM 300	Modeling Techniques in Biology	W
MATH 314	Representations of Symmetric Group	W
Math 328	Real Analysis	W
MATH 335	Mathematics of Engineering Systems	W
MATH 337	Introduction to Operations Research Models	W
MATH 339	Evolutionary Game Theory	W
MATH 341	Differential Geometry	W
STAT 353	Probability II	W
STAT 362	R for Data Science	W
MATH 381	Mathematics with a Historical Perspective	W
MATH 385	Life Contingencies	W
MATH 414	Introduction to Galois Theory	W
MATH 418	Number Theory & Cryptography	W
MATH 436	Partial Differential Equations	W
MATH 437	An Introduction to Stochastic Differential Equations	W
STAT 456	Bayesian Analysis	W
STAT 457	Statistical Learning II	W
MATH 472	Optimization and Control of Stochastic Systems	W
STAT 473	Generalized Linear Models	W
MATH 477	Data Compression & Source Coding: Theory & Algorithms	W
STAT 486	Survival Analysis	W
MATH 499	Topics in Mathematics	W
STAT 499	Topics in Statistics	W

ALTERNATE YEAR COURSES

Offered in 2023–2024 and not likely offered in 2024-25.

MATH 211

BIOM 300, MATH 314, MATH 339, MATH 381

MATH 402, MATH 414, MATH 418, MATH 421

Not offered in 2023–2024 and likely offered in 2024-25.

MATH 311, MATH 338, MATH 382, MATH 386

MATH 401, MATH 406, MATH 413, 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.