DEPARTMENT OF MATHEMATICS & STATISTICS
FACULTY OF ARTS AND SCIENCE
QUEEN'S UNIVERSITY
Advice for students in third or fourth-year during 2022–23

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 2022–23

The Department of Mathematics & Statistics plans to offer the following courses in Fall 2022–23.

Number	Name	Term	Instructor
MATH 310	Group Theory	F	K. Mousavand
MATH 326	Functions of a Complex Variable	F	R. Murty
STAT 361	Applied Methods in Statistics I	F	D. Lin
MATH 384	Mathematical Theory of Interest	F	P. Li
MATH 406	Introduction to Coding Theory	F	E. Kani
MATH 427	Introduction to Deterministic Dynamical Systems	F	Lewis
Math 429	Functional Analysis & Quantum Mechanics	F	F. Cellarosi
MTHE 430	Modern Control Theory	F	K. Zhang
MATH 433	Continuum Mechanics with Applications	F	G. Mazzone
STAT 455	Stochastic Processes and Applications	F	Y. Song
STAT 462	Statistical Learning I	F	B. Ling
STAT 463	Fundamentals of Statistical Inference	F	D. Lin
STAT 464	Discrete Time Series Analysis	F	G. Takahara
MATH 474	Information Theory	F	F. Alajaji
MATH 499	Topics in Mathematics	F	C. Pfaff

The Department of Mathematics & Statistics plans to offer the following courses in Winter 2022–23.

Number	Name	Term	Instructor
BIOM 300	Modeling Techniques in Biology	W	T. Meadows
MATH 311	Elementary Number Theory	W	R. Murty
Math 328	Real Analysis	W	F. Cellarosi
MATH 335	Mathematics of Engineering Systems	W	S. Yüksel
MATH 337	Introduction to Operations Research Models	W	S. Pradhan
MATH 338	Fourier Methods for Boundary Value Problems	W	Chiri
STAT 353	Probability II	W	J. Mingo
STAT 362	R for Data Science	W	B. Ling
MATH 385	Life Contingencies	W	Empire Life
MATH 401	Graph Theory	W	B. Rodgers
MATH 413	Introduction to Algebraic Geometry	W	G. Smith
MATH 437	Topics in Applied Mathematics	W	A-R. Mansouri
STAT 457	Statistical Learning II	W	Y. Song
STAT 471	Sampling and Experimental Design	W	D. Lin
MTHE 472	Optimization and Control of Stochastic Systems	W	S. Yüksel
STAT 473	Generalized Linear Model	W	B. Levit
MATH 477	Data Compression & Source Coding: Theory & Algorithms	W	T. Linder
STAT 486	Survival Analysis	W	TBA

ALTERNATE YEAR COURSES

Offered in 2022–2023 and not likely offered in 2023-24.

BIOM 300, MATH 311
MATH 401, MATH 406, MATH 413, MATH 429.

Not offered in 2022–2023 and likely offered in 2023-24.

MATH 211, MATH 314, MATH 339, MATH 341, MATH 381, MATH 382, MATH 386 or 387
MATH 402, MATH 414, MATH 418, MATH 421, STAT 466

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