# DEPARTMENT OF MATHEMATICS AND STATISTICS
## 2025-26 TENTATIVE Graduate Course/Seminar Offerings

LAST UPDATED: 7 July 2025

**<span style="color:red">Course times, locations and instructors can be found in SOLUS or in Graduate Student/Faculty Reference Shared Folders for student/faculty members of the Department of Mathematics and Statistics</span>**

| Term[1] | Course | Title |
|---|---|---|
| **REGULAR LECTURE COURSES** | | |
| F | MATH 802 | Enumerative Combinatorics |
| F | MATH 818 | Number Theory and Cryptography |
| F | MATH 829 | Functional Analysis |
| F | MATH 830 | Control Theory |
| F | MATH 833 | Continuum Mechanics |
| W | MATH 834 | Optimization Theory with Applications to Machine Learning |
| F | MATH 835 | Mathematical Biology |
| F | STAT 853 | Statistical Inference |
| F | STAT 855 | Stochastic Processes and Applications |
| W | STAT 856 | Bayesian Analysis |
| W | STAT 857 | Statistical Learning I |
| W | MATH 859 | Stochastic Calculus and Analysis |
| W | STAT 871 | Sampling and Experimental Design |
| W | MATH 872 | Optimization and Control of Stochastic Systems |
| F | MATH 874 | Information Theory |
| W | MATH 877 | Data Compression and Course Coding: Theory and Algorithms |
| W | STAT 886 | Survival Analysis |
| **CORE COURSES** | | |
| F | MATH 844 | Differentiable Manifolds |
| F | MATH 891 | Core Course in Analysis I |
| W | MATH 892 | Core Course Analysis II |
| F | MATH 893 | Core Course in Algebra I |
| W | MATH 894 | Core Course in Algebra II |
| W | MATH 895 | Core Course in Probability Theory |
| F | MATH 896 | Core Mathematical Statistics |
| **SEMINAR and READING COURSES (TBA)** | | |
| | MATH 800 | Seminar |
| F | MATH 901 | Research Institute Course: Fields Academy Shared Courses |
| W | MATH 901 | Research Institute Course: Fields Academy Shared Courses |
| **RESEARCH SEMINARS (TBA)** | | |
| | | |
| | | |

[1]Terms: F=Fall term; W=Winter term; F/W=Fall/Winter terms
[2]See Campus Map for buildings