## Graduate Course/Seminar Offerings

**Legend:**  
- **F** = Fall term  
- **W** = Winter term  
- **F/W** = Fall/Winter terms

### Term | Course | Title | Instructor | Time | Room
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**FW** | MATH 800 | Seminar | See seminars | | |
**F** | MATH 801 | Graph Theory | D Rorabaugh | 4 | DUN 10
**F** | MATH 806 | Introduction to Coding Theory | N Yui | 1 | JEF 225
**W** | MATH 813 | Introduction to Algebraic Geometry | M Roth | 3 | JEF 115
**F** | MATH 830 | Modern Control Theory | A R Mansouri | 4 Tu, 4 W & F 1,2,3 M Lab, 13 F Tutorial | ELLIS 327, JEF 225, BMHS 326, JEF 101
**F** | MATH 834 | Optimization Theory and Applications | B Gharesifard | 11 | JEF 126
**W** | MATH 836 | Lagrangian Mechanics, Dynamics, Control | A Lewis | 12, 14 Tu Tutorial | JEF 102, JEF 102
**F** | STAT 855 | Stochastic Processes and Applications | G Takahara | 12, 1 Tu Tutorial | JEF 118, JEF 118
**F** | STAT 853 | Statistical Inference | B Levit | 3 | JEF 110
**F** | STAT 862 | Computational Data Analysis | D Lin | 44 | JEF 155
**W** | STAT 864 | Discrete Time Series Analysis | D Thomson | 31 | JEF 116
**F** | STAT 865 | Quality Management | D Thomson | 54 | MCC E202
**W** | STAT 872 | Control of Stochastic Systems | S Yuksel | 11 | STIR 412A
**W** | STAT 873 | Generalized Linear Models | W Jiang | 51 | JEF 115
**F** | MATH 874 | Information Theory | F Alajaji | 21 | JEF 101
**W** | MATH 877 | Data Compression and Source Coding | T Linder | 52 | DUN 10
**W** | STAT 886 | Survival Analysis | B Chen & D Tu | 43 | JEF 115
**W** | MATH 923 | Topics in Analysis: Stochastic Calculus & Analysis | A R Mansouri | TBA | |

### Core Courses

**F** | MATH 844 | Differentiable Manifolds | T Barthelme | 2 | JEF 422
**F** | MATH 891 | Core Course in Analysis I | J Mingo | 15 | JEF 319
**W** | MATH 892 | Core Course in Analysis II | R Murty | 35 | JEF 319
**F** | MATH 893 | Core Course in Algebra I | I Dimitrov | 52 | JEF 422
**W** | MATH 894 | Core Course in Algebra II | N Yui | 55 | JEF 115
**W** | MATH 895 | Core Course in Probability Theory | F Cellarosi | 54 | JEF 422
**F** | MATH 896 | Core Course in Mathematical Statistics | G Takahara | 43 | JEF 225 W, JEF 110 F

### Credit and Non-Credit Seminars

**TO BE ANNOUNCED LATER**

| Dynamics Seminar | T Barthelme | F Cellarosi | 3:30-4:30 Th | JEF 422 |

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1. See [Queen's Timetables](#).
2. All room are in Jeffery Hall unless otherwise indicated. See [Campus Map](#).
3. Course Numbers will be assigned later if required.