

**DEPARTMENT OF MATHEMATICS AND STATISTICS**  
**2017-18 Graduate Course/Seminar Offerings**



**LAST UPDATED:** 31 Aug 2017

Term	Course	Title	Instructor	Time <sup>1</sup>	Room <sup>2</sup>
FW	MATH 800	Seminar	See seminars*		
F	MATH 802/402	Enumerative Combinatorics	G Smith	1	JEF101
F	MATH 818/418	Number Theory and Cryptography	E Kani	22	JEF126
W	MATH 827/427	Into to Deterministic Dynamical Systems	D Offin	3	JEF115
F	MATH 830/430	Modern Control Theory	A R Mansouri	5 13 W Tutorial 8:30-11:30 M Lab 11:30-2:30 M Lab 11:30-2:30 Th Lab	JEF225 JEF225 ILC326 ILC326 ILC326
W	MATH 836/439	Lagrangian Mechanics, Dynamics, Control	A Lewis	1 4 W Tutorial	JEF234 JEF118
F	STAT 853/463	Statistical Inference	B Levit	22	JEF101
F	STAT 855/455	Stochastic Processes and Applications	G Takahara	12 4 F Tutorial	JEF118 JEF118
F	STAT 862/462	Computational Data Analysis	A Sadeghkhan	31	JEF155
W	STAT 871/471	Design and Analysis of Experiments	D Lin	2	JEF115
W	MATH 872/472	Control of Stochastic Systems	S Yuksel	3	JEF225
F	MATH 874/474	Information Theory	F Alajaji	11	JEF234
W	MATH 877/477	Data Compression and Source Coding	F Alajaji	52	JEF101
W	STAT 886/486	Survival Analysis	W Jiang	42	JEF102
W	MATH 923	Topics in Analysis: Stochastic Calculus & Analysis	A R Mansouri	TBA	
<b>F</b>	<b>MATH 922</b>	<b>Operator Theory &amp; Banach Algebras</b>	<b>J Mingo</b>	<b>TBA</b>	
<b>Core Courses</b>					
F	MATH 844	Differentiable Manifolds	T Barthelme	44 Tu & 55 Th	JEF422
F	MATH 891	Core Course in Analysis I	J Mingo	33	JEF422
W	MATH 892	Core Course in Analysis II	R Murty	44	JEF422
F	MATH 893	Core Course in Algebra I	N Yui	54 Tu & 41 Th	JEF422
W	MATH 894	Core Course in Algebra II	M Roth	45	JEF319
W	MATH 895	Core Course in Probability Theory	F Cellarosi	51 M & 43 W	JEF422
F	MATH 896	Core Course in Mathematical Statistics	G Takahara	32	JEF422

Reading Courses					
Credit and Non-Credit Seminars <sup>3</sup>					
FW	MATH 942	Topics in Topology and Geometry: Sheaf theory and differential geometry	A Lewis	TBA	
		Operator Algebras Seminar	J Mingo	TBA	
FW	STAT 962	Theory and Methods of Biostatistics	P Peng & D Tu	TBA	
FW	MATH800*	BioMath Seminar	P Taylor	TBA	
FW	MATH800*	Number Theory Seminar	R Murty	Wed 1:30-3:00	JEF319
FW	MATH800*	The Curves Seminar	M Roth	Wed 3:30-5:00	JEF319
FW	MATH800*	Algebraic Geometry Seminar	I Dimitrov	Mon 4:30-6:00	JEF319
F	MATH800*	Topics in Stochastic Control	S Yuksel	TBA	

**LEGEND:** F = Fall term    W = Winter term    F/W = Fall/Winter terms

<sup>1</sup>See [Queen's Timetables](#)

<sup>2</sup>See [Campus Map](#) for buildings and building codes (i.e. JEF=Jeffery Hall)

<sup>3</sup>Course Numbers will be assigned later if required.