

<div> <div>DEPARTMENT OF MATHEMATICS AND STATISTICS</div> <div> This is a schedule of courses that will be offered in 2017 - 2021. This scheedule, together with the notes, indicates the pattern of course offerings into the future. Courses not listed here may be offered from time to time. Approved by consensus at the departmental council on January 26, 2017. </div> </div>													
	2017-18			2018-2019			2019-2020			2020-2021			Notes
	SO	FO	WE	SE	FE	WO	SO	FO	WE	SE	FE	WO	
Mathematics Undergraduate Courses													
62-101 Access to Differential Calculus		1			1			1			1		Every Fall
62-102 Access to Linear Algebra.			1			1			1			1	Every Winter
62-120 Linear Algebra I	1	1	1	1	1	1	1	1	1	1	1	1	Every semester
62-125 Vectors and Linear Algebra		1			1			1			1		Every Fall
62-126 Linear Algebra (Engineering)		2	1		2	1		2	1		2	1	Every Fall and Winter
62-139 Functions and Differential Calculus		2	1		2	1		2	1		2	1	Every Fall and Winter
62-140 Differential Calculus		4	1		4	1		4	1		4	1	Every Fall and Winter
62-141 Integral Calculus	1		4	1		4	1		4	1		4	Every Winter and Summer
62-190 Mathematical Foundations	1		1	1		1	1		1	1		1	Every Winter and Summer
62-194: Mathematics for Business	1	2	2	1	2	2	1	2	2	1	2	2	Every term. 1 DE section in Winter
62-215 Vector Calculus	1	2		1	2		1	2		1	2		Every Summer and Fall
62-216 Differential Equations	1	1	1	1	1	1	1	1	1	1	1	1	Every Fall and Winter and Summer
62-220 Linear Algebra II		1			1			1			1		Every Fall
62-221 Linear Algebra III			1			1			1			1	Every Winter
62-314 Introduction to Analysis I		1			1			1			1		Every Fall
62-315 Introduction to Analysis II			1			1			1			1	Every Winter
62-318 Complex Variables			1			1			1			1	Every Winter
62-321 Abstract Algebra		1			1			1			1		Every Fall
62-322 Number Theory			1			1			1			1	Every Winter
62-342 Combinatorics		1						1					Every Odd Fall (Alternates with 343)
62-343 Introduction to Graph Theory					1						1		Every Even Fall (Alternates with 342)
62-360 Introduction to Fourier Series and Special Functions			1			1			1			1	Every Winter
62-369 Numerical Analysis for Computer Scientists		1			1			1			1		Every Fall
62-374 Linear Programming		1			1			1			1		Every Fall
62-380 Numerical Methods		1			1			1			1		Every Fall
62-392 Financial Mathematics, Theory of Interest (with 502)		1			1			1			1		Every Fall
62-410 Measure Theory and Integration (with 510)		1			1			1			1		Every Fall
62-413 Functional Analysis (with 512)			1			1			1			1	Every Winter
62-420 Introduction to Group Theory (with 520)		1			1			1			1		Every Fall
62-422 Introduction to Field Theory (with 598-14)						1						1	Every Odd Winter (Alternates with 498-17)
62-482 Portfolio Optimization (with 598-38)						1						1	Every Odd Winter
62-490 Actuarial Mathematics I (with 505)			1			1			1			1	Every Winter
62-492 Actuarial Mathematics II (with 506)		1			1			1			1		Every Fall
62-498-12 General Topolgy (with 530)		1			1			1			1		Every Fall
62-498-17 Introduction to Ring Theory (with 521)			1						1				Every Even Winter (Alternates with 422)
Mathematics Graduate Courses													
62-510 Functions of a Real Variable I (with 410)			1			1			1			1	Every Fall
62-512 Functional Analysis I (with 413)			1			1			1			1	Every Winter
62-520 Abstract Algebra (with 420)			1			1			1			1	Every Fall
62-521 Ring Theory and Modules (with 498-17)			1						1				Every Even Winter (Alternates with 598-14)
62-530 General Topology (with 498-12)			1			1			1			1	Every Fall
62-598-14 Field Theory (with 422)						1						1	Every Odd Winter (Alternates with 521)
62-598-38 Portfolio Optimization (with 482)						1						1	Every Odd Winter
Statistics Undergraduate Courses													
65-205 Statistics for Sciences		1	2	2		1	2	2		1	2	2	Every term. 1 DE section in Fall
65-250 Introduction to Probability			1			1			1			1	Every Fall
65-251 Introduction to Statistics			1			1			1			1	Every Winter
65-350 Probability			1			1			1			1	Every Fall
65-351 Statistics			1			1			1			1	Every Winter
65-376 Stochastic Operations Research			1			1			1			1	Every Winter
65-452 Experimental Design (with 552)						1						1	Every Odd Winter (65-452 and 455-23 alternate)
65-454 Sampling Theory (with 554)			1						1				Every Odd Fall (65-455-03 and 65-454 alternate)
65-455-03 Generalized Linear Models (with 550)						1					1		Every Odd Fall (65-455-03 and 65-454 alternate)
65-455-05 Statistical Data Analysis (with 546)			1						1				Fall and Winter: 65-455-08, 455-15, 455-05, 455-11, 455-07 cycle.
65-455-07 Survival Analysis (with 559-07)						1						1	Fall and Winter: 65-455-08, 455-15, 455-05, 455-11, 455-07 cycle.
65-455-08 Stochastic Processes (with 541)						1							Fall and Winter: 65-455-08, 455-15, 455-05, 455-11, 455-07 cycle.
65-455-09 Actuarial Regression & Time Series (with 97-520)			1		1				1			1	Every Winter / except for 2018-2019 when it is in the summer
65-455-11 Discrete Multivariate Analysis (with 549)			1								1		Fall and Winter: 65-455-08, 455-15, 455-05, 455-11, 455-07 cycle.
65-455-15 Statistical Consulting (with 559-15)									1				Fall and Winter: 65-455-08, 455-15, 455-05, 455-11, 455-07 cycle.
65-455-23 Regression Analysys (with 555)			1						1				Every Even Winter (65-452 and 455-23 alternate)
Statistics Graduate Courses													
65-541 Stochastic Processes (with 455-08)						1							Fall and Winter: 65-541, 559-15, 546, 549, 559-7 cycle.
65-542 Advanced Mathematical Statistics			1			1			1			1	Every Fall
65-543 Statistical Inference			1			1			1			1	Every Winter
65-546 Statistical Data Analysis (with 455-05)			1						1				Fall and Winter: 65-541, 559-15, 546, 549, 559-7 cycle.
65-549 Discrete Multivariate Analysis (with 455-11)			1								1		Fall and Winter: 65-541, 559-15, 546, 549, 559-7 cycle.
65-550 Generalized Linear Models (with 455-03)						1					1		Every Even Fall (65-550 and 65-554 alternate)
65-552 Experiental Design (with 452)						1						1	Every Odd Winter (65-552 and 555 alternate)
65-554 Sampling and Surveys (with 454)			1						1				Every Odd Fall (65-550 and 65-554 alternate)
65-555 Regression Analysis (with 455-23)			1						1				Every Even Winter (65-552 and 555 alternate)
65-559-07 Survival Analysis (with 455-07)						1						1	Fall and Winter: 65-541, 559-15, 546, 549, 559-7 cycle.
65-559-15 Statistical Consulting (with 455-15)									1				Fall and Winter: 65-541, 559-15, 546, 549, 559-7 cycle.
Actuarial Science Graduate Courses													
97-501 Probability For Risk and Actuarial Science			1			1			1			1	Every Fall
97-502 Financial Mathematics, Theory of Interest (with 392)			1			1			1			1	Every Fall
97-503 Derivatives Markets I			1			1			1			1	Every Winter
97-504 Derivatives Markets II	1			1			1			1			Every Summer
97-505 Life Contingencies I (with 490)			1			1			1			1	Every Winter
97-506 Life Contingencies II (with 492)			1			1			1			1	Every Fall
97-507 Special Topics in Actuarial Science			1			1			1			1	Every Fall
97-510 Microeconomics	1			1			1			1			Every Summer
97-511 Macroeconomics			1			1			1			1	Every Fall
97-520 Regression and Time Series (with 455-09)			1				1		1			1	Every Winter / except for 2018-2019 when it is in the summer