

New course numbers for Mathematics and Statistics courses

Rubric	Old	New	Course Title
ACS	300	3000	Foundations of Probability and Calculus
ACS	301	3001	Review for P/1 Exam
ACS	302	3002	Review for the FM/2 Exam
ACS	360	3660	Case Project
ACS	380	3905	Special Topics in Actuarial Science
ACS	399	3990	ACHIEVE 3 Actuarial Sciences
ACS	401	4001	Review for MFE/3 Exam
ACS	450	4550	Financial Mathematics
ACS	480	4905	Special Topics in Actuarial Science
APM	163	1663	Mathematics for Information Technology
APM	255	2555	Introduction to Differential Equations with Matrix Algebra
APM	263	2663	Discrete Mathematics
APM	332	3332	Applied Matrix Theory
APM	357	3557	Elements of Partial Differential Equations
APM	367	3610	Design and Analysis of Algorithms
APM	381	3430	Theory of Computation
APM	405	4905	Special Topics
APM	433	4333	Numerical Methods
APM	434	4334	Applied Numerical Methods: Matrix Methods
APM	450	4550	Risk Management
APM	455	4555	Intermediate Ordinary Differential Equations
APM	463	4663	Graph Theory and Combinatorial Mathematics
APM	477	4777	Computer Algebra
APM	490	4996	Independent Study
APM	505	5905	Special topics
APM	533	5333	Numerical Methods
APM	534	5334	Applied Numerical Methods: Matrix Methods
APM	541	5441	Mathematical Analysis for Engineers I
APM	542	5442	Mathematical Analysis for Engineers II
APM	553	5553	Advanced Ordinary Differential Equations
APM	557	5557	Advanced Partial Differential Equations
APM	563	5663	Applied Mathematics: Discrete Methods I
APM	564	5664	Applied Mathematics: Discrete Methods II
APM	565	5665	Differential Geometry
APM	566	5666	Computational Geometry
APM	567	5610	Algorithms and Complexity
APM	568	5668	Mathematical Modeling in Industry: Discrete Models
APM	569	5669	Graph Theory and Applications
APM	577	5777	Computer Algebra
APM	581	5881	Theory of Computation
APM	590	5920	Directed Reading and Research
APM	595	6996	Master of Science Research Project
APM	605	6005	Applied Continuous Mathematics: Selected Topics

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APM	634	6334	Numerical Methods for Partial Differential Equations
APM	658	6558	Mathematical Modeling in Industry: Continuous Models
APM	664	6664	Combinatorial Optimization
APM	665	6665	Approximation and Randomized Discrete Algorithms
APM	673	6773	Coding Theory
APM	695	6945	Problem Solving Seminar
APM	790	9999	Doctoral Dissertation Research
BST	541	5441	Longitudinal Data Analysis
BST	546	5446	Bioinformatics and Biomedical Data Mining
BST	551	5551	Clinical Trials and Ethics in Biomedical Sciences
BST	571	5771	Introduction to Statistical Epidemiology
MOR	242	2442	Elementary Models in Operations Research
MOR	330	3330	Engineering Operations Research
MOR	331	3331	Mathematical Models in Operations Research
MOR	454	4554	Linear and Integer Optimization
MOR	455	4555	Nonlinear Optimizations
MOR	456	4556	Stochastic Models in Operations Research
MOR	554	5554	Linear and Integer Optimization
MOR	555	5555	Nonlinear Optimization
MOR	556	5556	Stochastic Models in Operations Research
MOR	558	5558	Mathematical Modeling in Industry: Operations Research Models
MOR	590	5920	Directed Reading and Research
MTE	210	2110	Mathematics for Elementary Education I
MTE	211	2111	Mathematics for Elementary Education II
MTE	318	3118	Advanced Topics in Mathematics for Elementary Education
MTE	405	4905	Special Topics
MTE	410	4110	Elementary School Mathematics and the Computer
MTH	061	0661	Elementary Algebra
MTH	062	0662	Intermediate Algebra
MTH	118	1118	Mathematical Sciences in the Modern World
MTH	121	1221	Linear Programming Elementary Functions
MTH	122	1222	Calculus for the Social Sciences
MTH	141	1441	Precalculus
MTH	154	1554	Calculus I
MTH	155	1555	Calculus II
MTH	205	2905	Special Topics
MTH	254	2554	Multivariable Calculus
MTH	275	2775	Linear Algebra
MTH	290	2996	Independent Study
MTH	301	3001	Putnam Seminar
MTH	302	3002	Introduction to Advanced Mathematical Thinking

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MTH	352	3552	Complex Variables
MTH	405	4905	Special Topics
MTH	414	4114	History of Mathematics
MTH	415	4115	Foundations of Mathematics: Mathematical Logic and Set Theory
MTH	452	4552	Advanced Calculus I
MTH	453	4553	Advanced Calculus II
MTH	461	4661	General Topology
MTH	462	4662	Geometric Structures
MTH	465	4665	Differential Geometry
MTH	472	4772	Number Theory with Cryptography
MTH	475	4775	Abstract Algebra I
MTH	476	4776	Abstract Algebra II
MTH	490	4996	Independent Study
MTH	497	4997	Apprentice College Teaching
MTH	505	5905	Special Topics
MTH	551	5551	Real Analysis
MTH	555	5555	Complex Analysis
MTH	561	5661	Topology I
MTH	562	5662	Advanced Topics in Topology
MTH	571	5771	Algebra I
MTH	572	5772	Algebra II
MTH	590	5920	Directed Reading and Research
MTH	651	6551	Functional Analysis
MTH	652	6552	Functional Analysis II
MTH	670	6770	Algebraic Number Theory
MTH	671	6771	Commutative Algebra
MTH	672	6772	Algebraic Geometry
MTS	505	5905	Special Topics
MTS	510	5010	The Secondary Mathematics Curriculum
MTS	514	5075	Concepts in Abstract Algebra
MTS	515	5015	Foundations of Mathematics
MTS	516	5014	History of Mathematics
MTS	517	5052	Concepts in Analysis I
MTS	518	5053	Concepts in Analysis II
MTS	562	5062	Concepts of Geometry
MTS	572	5072	Number Theory
MTS	590	5920	Directed Reading and Research
STA	225	2220	Introduction to Statistical Concepts and Reasoning
STA	226	2226	Applied Probability and Statistics
STA	227	2221	Introduction to Statistical Methods
STA	228	2222	Statistical Methods for Biology
STA	402	4002	Applied Linear Models I
STA	403	4003	Applied Linear Models II

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STA	405	4905	Special Topics
STA	424	4224	Analysis of Categorical Data
STA	425	4225	Elements Stochastic Processes
STA	426	4226	Nonparametric Methods
STA	427	4227	Introduction to Mathematical Statistics I
STA	428	4228	Introduction to Mathematical Statistics II
STA	490	4996	Independent Study
STA	501	5001	Statistical Methods in Research and Production
STA	502	5002	Applied Linear Models I
STA	503	5003	Applied Linear Models II
STA	504	5224	Discrete Data Analysis
STA	505	5905	Special Topics
STA	506	5006	Statistical Computing
STA	513	5113	Introduction to Mathematical Statistics I
STA	514	5114	Introduction to Mathematical Statistics II
STA	515	5225	Stochastic Processes I
STA	521	5221	Multivariate Statistical Methods I
STA	522	5222	Statistical Process Control
STA	526	5226	Nonparametric Methods
STA	527	5227	Linear Statistical Models
STA	528	5228	Reliability and Life Data Analysis I
STA	529	5229	Statistical Methods in Sample Surveys
STA	530	5330	Time Series I
STA	531	5331	Bayesian Data Analysis
STA	590	5920	Directed Reading and Research
STA	595	5921	Statistical Consulting
STA	603	6003	Advanced Design of Experiments
STA	610	6110	Probability Theory
STA	613	6113	Mathematical Statistics I
STA	614	6114	Mathematical Statistics II
STA	615	6115	Stochastic Processes II
STA	621	6221	Multivariate Statistical Methods II
STA	628	6228	Reliability and Life Data Analysis II
STA	630	6330	Time Series II
STA	695	6945	Problem Solving Seminar
STA	790	9999	Doctoral Dissertation Research

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ACS	3000	300	Foundations of Probability and Calculus
ACS	3001	301	Review for P/1 Exam
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ACS	3905	380	Special Topics in Actuarial Science
ACS	3990	399	ACHIEVE 3 Actuarial Sciences
ACS	4001	401	Review for MFE/3 Exam
ACS	4550	450	Financial Mathematics
ACS	4905	480	Special Topics in Actuarial Science
APM	1663	163	Mathematics for Information Technology
APM	2555	255	Introduction to Differential Equations with Matrix Algebra
APM	2663	263	Discrete Mathematics
APM	3332	332	Applied Matrix Theory
APM	3430	381	Theory of Computation
APM	3557	357	Elements of Partial Differential Equations
APM	3610	367	Design and Analysis of Algorithms
APM	4333	433	Numerical Methods
APM	4334	434	Applied Numerical Methods: Matrix Methods
APM	4550	450	Risk Management
APM	4555	455	Intermediate Ordinary Differential Equations
APM	4663	463	Graph Theory and Combinatorial Mathematics
APM	4777	477	Computer Algebra
APM	4905	405	Special Topics
APM	4996	490	Independent Study
APM	5333	533	Numerical Methods
APM	5334	534	Applied Numerical Methods: Matrix Methods
APM	5441	541	Mathematical Analysis for Engineers I
APM	5442	542	Mathematical Analysis for Engineers II
APM	5553	553	Advanced Ordinary Differential Equations
APM	5557	557	Advanced Partial Differential Equations
APM	5610	567	Algorithms and Complexity
APM	5663	563	Applied Mathematics: Discrete Methods I
APM	5664	564	Applied Mathematics: Discrete Methods II
APM	5665	565	Differential Geometry
APM	5666	566	Computational Geometry
APM	5668	568	Mathematical Modeling in Industry: Discrete Models
APM	5669	569	Graph Theory and Applications
APM	5777	577	Computer Algebra
APM	5881	581	Theory of Computation
APM	5905	505	Special topics
APM	5920	590	Directed Reading and Research
APM	6005	605	Applied Continuous Mathematics: Selected Topics
APM	6334	634	Numerical Methods for Partial Differential Equations

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APM	6558	658	Mathematical Modeling in Industry: Continuous Models
APM	6664	664	Combinatorial Optimization
APM	6665	665	Approximation and Randomized Discrete Algorithms
APM	6773	673	Coding Theory
APM	6945	695	Problem Solving Seminar
APM	6996	595	Master of Science Research Project
APM	9999	790	Doctoral Dissertation Research
BST	5441	541	Longitudinal Data Analysis
BST	5446	546	Bioinformatics and Biomedical Data Mining
BST	5551	551	Clinical Trials and Ethics in Biomedical Sciences
BST	5771	571	Introduction to Statistical Epidemiology
MOR	2442	242	Elementary Models in Operations Research
MOR	3330	330	Engineering Operations Research
MOR	3331	331	Mathematical Models in Operations Research
MOR	4554	454	Linear and Integer Optimization
MOR	4555	455	Nonlinear Optimizations
MOR	4556	456	Stochastic Models in Operations Research
MOR	5554	554	Linear and Integer Optimization
MOR	5555	555	Nonlinear Optimization
MOR	5556	556	Stochastic Models in Operations Research
MOR	5558	558	Mathematical Modeling in Industry: Operations Research Models
MOR	5920	590	Directed Reading and Research
MTE	2110	210	Mathematics for Elementary Education I
MTE	2111	211	Mathematics for Elementary Education II
MTE	3118	318	Advanced Topics in Mathematics for Elementary Education
MTE	4110	410	Elementary School Mathematics and the Computer
MTE	4905	405	Special Topics
MTH	0661	061	Elementary Algebra
MTH	1118	118	Mathematical Sciences in the Modern World
MTH	1221	121	Linear Programming Elementary Functions
MTH	1222	122	Calculus for the Social Sciences
MTH	1441	141	Precalculus
MTH	1554	154	Calculus I
MTH	1555	155	Calculus II
MTH	2554	254	Multivariable Calculus
MTH	2775	275	Linear Algebra
MTH	2905	205	Special Topics
MTH	2996	290	Independent Study
MTH	3001	301	Putnam Seminar
MTH	3002	302	Introduction to Advanced Mathematical Thinking
MTH	3552	352	Complex Variables

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MTH	4114	414	History of Mathematics
MTH	4115	415	Foundations of Mathematics: Mathematical Logic and Set Theory
MTH	4552	452	Advanced Calculus I
MTH	4553	453	Advanced Calculus II
MTH	4661	461	General Topology
MTH	4662	462	Geometric Structures
MTH	4665	465	Differential Geometry
MTH	4772	472	Number Theory with Cryptography
MTH	4775	475	Abstract Algebra I
MTH	4776	476	Abstract Algebra II
MTH	4905	405	Special Topics
MTH	4996	490	Independent Study
MTH	4997	497	Apprentice College Teaching
MTH	5551	551	Real Analysis
MTH	5555	555	Complex Analysis
MTH	5661	561	Topology I
MTH	5662	562	Advanced Topics in Topology
MTH	5771	571	Algebra I
MTH	5772	572	Algebra II
MTH	5905	505	Special Topics
MTH	5920	590	Directed Reading and Research
MTH	6551	651	Functional Analysis
MTH	6552	652	Functional Analysis II
MTH	6770	670	Algebraic Number Theory
MTH	6771	671	Commutative Algebra
MTH	6772	672	Algebraic Geometry
MTH	0662	062	Intermediate Algebra
MTS	5010	510	The Secondary Mathematics Curriculum
MTS	5014	516	History of Mathematics
MTS	5015	515	Foundations of Mathematics
MTS	5052	517	Concepts in Analysis I
MTS	5053	518	Concepts in Analysis II
MTS	5062	562	Concepts of Geometry
MTS	5072	572	Number Theory
MTS	5075	514	Concepts in Abstract Algebra
MTS	5905	505	Special Topics
MTS	5920	590	Directed Reading and Research
STA	2220	225	Introduction to Statistical Concepts and Reasoning
STA	2221	227	Introduction to Statistical Methods
STA	2222	228	Statistical Methods for Biology
STA	2226	226	Applied Probability and Statistics
STA	4002	402	Applied Linear Models I
STA	4003	403	Applied Linear Models II

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STA	4224	424	Analysis of Categorical Data
STA	4225	425	Elements Stochastic Processes
STA	4226	426	Nonparametric Methods
STA	4227	427	Introduction to Mathematical Statistics I
STA	4228	428	Introduction to Mathematical Statistics II
STA	4905	405	Special Topics
STA	4996	490	Independent Study
STA	5001	501	Statistical Methods in Research and Production
STA	5002	502	Applied Linear Models I
STA	5003	503	Applied Linear Models II
STA	5006	506	Statistical Computing
STA	5113	513	Introduction to Mathematical Statistics I
STA	5114	514	Introduction to Mathematical Statistics II
STA	5221	521	Multivariate Statistical Methods I
STA	5222	522	Statistical Process Control
STA	5224	504	Discrete Data Analysis
STA	5225	515	Stochastic Processes I
STA	5226	526	Nonparametric Methods
STA	5227	527	Linear Statistical Models
STA	5228	528	Reliability and Life Data Analysis I
STA	5229	529	Statistical Methods in Sample Surveys
STA	5330	530	Time Series I
STA	5331	531	Bayesian Data Analysis
STA	5905	505	Special Topics
STA	5920	590	Directed Reading and Research
STA	5921	595	Statistical Consulting
STA	6003	603	Advanced Design of Experiments
STA	6110	610	Probability Theory
STA	6113	613	Mathematical Statistics I
STA	6114	614	Mathematical Statistics II
STA	6115	615	Stochastic Processes II
STA	6221	621	Multivariate Statistical Methods II
STA	6228	628	Reliability and Life Data Analysis II
STA	6330	630	Time Series II
STA	6945	695	Problem Solving Seminar
STA	9999	790	Doctoral Dissertation Research