

MATH Course Renumbering Guide

<i>Old Course Number</i>	<i>Course Name</i>	<i>New Course Number*</i>	<i>Prerequisites</i>	<i>Expected Audience</i>
MATH160	Calculus I	MATH212	Pre-Calculus or Placement Exam	COSE
MATH165	Calculus II	MATH213	Calculus I	COSE
MATH205	Linear Algebra	MATH242	Calculus I	COSE
MATH210	Foundations of Mathematics	MATH327	Linear Algebra	MATH, STAT, MTHT
MATH260	Multivariable Calculus	MATH312	Calculus II	COSE
MATH270	Differential Equations	MATH313	Calculus II AND Linear Algebra OR concurrent Linear Algebra for Diff. Eq.	COSE
MATH271	Linear Algebra for Differential Equations	MATH314	concurrent Diff. Eq.	COSE
MATH305	Probability	MATH337	Calculus II AND Foundations of Mathematics	MATH, STAT, MTHT
MATH310	Number Theory	MATH347	Foundations of Mathematics	MATH, MTHT
MATH315	Chaos Theory	MATH302	Calculus I	COSE
MATH320	Theory of Functions of a Complex Variable	MATH317	Multivariable Calculus	COSE
MATH330	Advanced Calculus I	MATH452	Multivariable Calculus AND Foundations of Mathematics	MATH, STAT, MTHT
MATH335	Advanced Calculus II	MATH453	Advanced Calculus I	MATH, STAT
MATH340	Advanced Linear Algebra	MATH342	Calculus II AND Linear Algebra	COSE
MATH410	History of Mathematics	MATH307	Calculus II	MATH, MTHT
MATH420	Numerical Analysis	MATH332	Differential Equations AND Linear Algebra OR Lin. Alg. for Diff. Eq.	COSE (especially CME)
MATH440	Abstract Algebra I	MATH447	Foundations of Mathematics (Number Theory recommended)	MATH, MTHT
MATH445	Abstract Algebra II	MATH448	Abstract Algebra I	MATH
MATH450	Introduction to Topology	MATH462	Calculus II AND Foundations of Mathematics	MATH

*New course numbers go into effect Fall 2013.

MTED Course Renumbering Guide

<i>Old Course Number</i>	<i>Course Name</i>	<i>New Course Number*</i>	<i>Prerequisites</i>	<i>Required For</i>
***	Elements of Mathematics	MATH202	Score of 18 or higher on ACT Math OR MATH050	ELEM, ELEC
MTED125	Mathematics for Elementary Teachers	MATH203	Elements of Mathematics	ELEM, ELEC
MTED201	Technology-Based Geometry and Probability	MATH204	Elements of Mathematics OR Calculus I	ELEM, MTHT
MTED222	Middle School Methods in Mathematics II	MATH304	Technology-Based Geometry and Probability	MLMA, MTHT
MTED225	Numerical Reasoning for Middle School Teachers	MATH303	Mathematics for Elementary Teachers	MLMA
MTED320	Teaching Mathematics in the Secondary Schools	MATH306	Technology-Based Geometry and Probability AND Foundations of Mathematics	MTHT
MTED322	Modern Geometry	MATH308	Technology-Based Geometry and Probability AND Foundations of Mathematics	MTHT

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MATH Minor Requirements

MATH212: Calculus I

MATH213: Calculus II

STAT210, 303 OR 305

MATH242: Linear Algebra

MATH312: Multivariable Calculus

3 s.h. chosen from MATH300 or higher