

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
 ANTICIPATED LONG-RANGE PLAN FOR UNDERGRADUATE COURSE OFFERINGS†

FALL ODD (2011)

COSC	350	Systems Software
COSC	425	Software Engineering I
COSC	490	Special Topics
MATH	314	Intermediate Applied Statistics
MATH	413	Mathematical Statistics I
MATH	441	Abstract Algebra I
MATH	451	Analysis I
MATH	430	Mathematics for Secondary Education

SPRING EVEN (2012)

COSC	118	Intro. Scientific Programming
COSC	370	Computer Networks
COSC	426	Software Engineering II
COSC	450	Operating Systems
COSC	482	Computer Graphics
MATH	215	Introduction to Financial Math
MATH	402	Theory of Numbers
MATH	406	Geometric Structures
MATH	441	Abstract Algebra I
MATH	452	Analysis II
MATH	465	Math Models & App (last time)
MATH	471	Numerical Methods (last time)
MATH	482	Computer Graphics
MATH	493	Advanced Topics in Statistics

FALL EVEN (2012)

COSC	350	Systems Software
COSC	425	Software Engineering I
COSC	456	Computer Architecture
COSC	490	Special Topics
MATH	313	Survey Design and Sampling
MATH	413	Mathematical Statistics I
MATH	430	Mathematics for Secondary Education
MATH	441	Abstract Algebra I
MATH	451	Analysis I
MATH	458	Complex Analysis
MATH	460	Operations Research
(Math 471)		(Numerical Methods beginning in '14)

SPRING ODD (2013)

COSC	118	Intro. Scientific Programming
COSC	370	Computer Networks
COSC	422	Organization of Programming Languages
COSC	426	Software Engineering II
COSC	450	Operating Systems
MATH	215	Introduction to Financial Math
MATH	406	Geometric Structures
MATH	411	Design of Experiments
MATH	414	Mathematical Statistics II (last time)
MATH	415	Actuarial & Financial Mathematics
MATH	442	Abstract Algebra II
MATH	451	Analysis I
MATH	472	Numerical Linear Alg
MATH	475	Intro to Dynamics and Chaos (last time)

FALL ODD (2013)

COSC	350	Systems Software
COSC	425	Software Engineering I
COSC	490	Special Topics
MATH	314	Intermediate Applied Statistics
MATH	413	Mathematical Statistics I
MATH	430	Mathematics for Secondary Education
MATH	441	Abstract Algebra I
MATH	451	Analysis I
MATH	465	Math Models & App
MATH	475	Intro to Dynamics and Chaos
MATH	480	History of Mathematics

SPRING EVEN (2014)

COSC	118	Intro. Scientific Programming
COSC	370	Computer Networks
COSC	426	Software Engineering II
COSC	450	Operating Systems
COSC	482	Computer Graphics
MATH	215	Introduction to Financial Math
MATH	402	Theory of Numbers
MATH	406	Geometric Structures
MATH	414	Mathematical Statistics II
MATH	441	Abstract Algebra I
MATH	452	Analysis II
MATH	482	Computer Graphics
MATH	493	Advanced Topics in Statistics

COSC	116	Introduction to Computer Systems
COSC	117	Problem Solving with Java
COSC	120	Computer Programming
COSC	220	Data Structures & Algorithm Analysis
COSC	250	Microcomputer Organization
COSC	320	Adv. Data Structures & Alg. Analysis
COSC	362	Math. Foundations of Computer Sci.
COSC	380	Internship
COSC	390	Undergraduate Research Project

MATH	100	College Algebra: A Modeling Approach
MATH	130*	Fundamental Concepts I
MATH	140	College Algebra & Trigonometry
MATH	150	Data & Probability Connections
MATH	155	Modern Statistics w/ Computer Analysis
MATH	160	Introduction to Applied Calculus
MATH	190	Liberal Arts Mathematics: (subtitled)
MATH	201	Calculus I ★
MATH	202	Calculus II ★
MATH	210	Introduction to Discrete Mathematics
MATH	213	Statistical Thinking
MATH	214	Statistics Laboratory
MATH	230	Fundamental Concepts II
MATH	300	Introduction to Abstract Mathematics
MATH	306	Linear Algebra
MATH	310	Calculus III★
MATH	311	Differential Equations I
MATH	362	Math. Foundations of Computer Sci.
MATH	380	Internship
MATH	390	Undergraduate Research Project

†**Students please note:** These courses will be taught only if there is sufficient enrollment during preregistration.

Eliminate Math 144

* This course is not acceptable for Gen Ed credit.

Courses in **bold** are taught once every *two* years.

★ Evening rotation for Calculus courses:
201- SP10, 202- FL09, 310 or 311-SP10&F10

+ one of these will move to Spring '09