

# MA 15800 Pre-Calculus

## Course Calendar Summer 2015

Exam 1: Lessons 1-9      Exam 2:      Lessons 10-18      Exam 3: Lessons 19-24

Date	Lesson	Topic
6/13	1	Definition of a Function/Domain and Range
6/14	2	Applications of Functions
6/15	3	Simplifying Algebraic Expressions
6/16	4	Simplifying Algebraic Expressions
6/17	5	Operations on Functions/Composition of Functions/Applications
6/20	6	The Difference Quotient
6/21	7	Piecewise Defined Functions
6/22	8	Quadratic Functions
6/23	9	Applications of Quadratic Functions
6/24		REVIEW
6/27		EXAM 1
6/28	10	Polynomials of Degree Greater than Two
6/29	11	Rational Functions -- Asymptotes, Holes, and Intercepts
6/30	12	Graphs of Rational Functions
7/01	13	Inverse Functions
7/04		NO CLASS (July 4 <sup>th</sup> Holiday)
7/05	14	Exponential Functions
7/06	15	Logarithmic Functions
7/07	16	Properties of Logarithms
7/08	17	Logarithmic and Exponential Equations
7/11	18	Applications of Logarithms and Exponential Functions
7/12		REVIEW
7/13		EXAM 2
7/14	19	Angles and Trigonometric Functions
7/15	20	The Unit Circle and Reference Angles
7/18	21	Reference Angles/Trigonometric Graphs
7/19	22	Inverse Trigonometric Functions
7/20	23	Trigonometric Equations
7/21	24	Applications of Trigonometry
7/22		REVIEW
7/25		EXAM 3
7/26	25	Systems of Equations/Introduction to Matrices
7/27	26	Solving Systems of Equations with Matrices
7/28	27	Solving Systems of Equations with Matrices
7/29	28	Definition of a Limit

Date	Lesson	Topic
8/1	29	Finding Limits Graphically and Analytically
8/2		REVIEW
8/3		FINALS WEEK
8/4		FINALS WEEK
8/5		FINALS WEEK

NOTE: The semester does not end until Friday, August 5, 2016 and 5:30pm. The final exam schedule will be announced sometime in the first half of summer school. You are expected to be present during the entirety of the summer schedule, so do NOT make plans to leave campus early. No alternate arrangements will be made for final exams due to plans to leave campus early.