

### Spring 2008 Math 163A Sample Syllabus and Schedule

Date	Class topics	Homework/Exam
Mon Mar 31	1.1 Slopes and Equations of Lines	
Tue Apr 1	1.2 Linear Functions and Applications	
Thu Apr 3	2.1 Properties of Functions	
Fri Apr 4	2.2 Quadratic Functions; Translation and Reflection	Homework 1 Due
Mon Apr 7	Handout 3: Sign Charts	
Tue Apr 8	2.3 Polynomial and Rational Functions	
Thu Apr 10	2.3 Polynomial and Rational Functions	
Fri Apr 11	Exam 1	Exam 1
Mon Apr 14	3.1 Limits: Basic Definitions (Last day to drop without a W)	
Tue Apr 15	3.1 Limits: Basic Definitions	
Thu Apr 17	3.2 Continuity (do class drill 1)	
Fri Apr 18	3.2 Continuity	Homework 2 Due
Mon Apr 21	3.3 Rates of Change	
Tue Apr 22	3.3 Rates of Change (do class drill 2)	
Thu Apr 24	3.4 Definition of the Derivative	
Fri Apr 25	3.4 Definition of the Derivative	Homework 3 Due
Mon Apr 28	3.5 Graphical Differentiation (do class drill 3a)	
Tue Apr 29	3.5 Graphical Differentiation (do class drill 3b)	
Thu May 1	Review	
Fri May 2	Exam 2	Exam 2
Mon May 5	4.1 Techniques for Finding Derivatives (Last day to drop)	
Tue May 6	4.2 Derivatives of Products and Quotients	
Thu May 8	4.3 The Chain Rule	
Fri May 9	4.3 The Chain Rule	Homework 4 Due
Mon May 12	5.1 Increasing and Decreasing Functions	
Tue May 13	5.2 Relative Extrema	
Thu May 15	5.3 Higher Derivatives and Concavity (class drills 4,5)	
Fri May 16	5.3 Higher Derivatives and Concavity	Homework 5 Due
Mon May 19	5.4 Curve Sketching (class drill 6)	
Tue May 20	5.4 Curve Sketching	
Thu May 22	Review	
Fri May 23	Exam 3	Exam 3
Mon May 26	Holiday: No Class	
Tue May 27	6.1 Absolute Extrema	
Thu May 29	6.2 Applications of Extrema	
Fri May 30	6.2 Applications of Extrema	Homework 6 Due
Mon Jun 2	9.1 Functions of Several Variables	
Tue Jun 3	9.2 Partial Derivatives (do class drill 8)	
Thu Jun 5	9.3 Maxima and Minima	
Fri Jun 6	9.3 Maxima and Minima (do class drill 9)	Homework 7 Due