



MATH 140: Precalculus Mathematics

Textbook: Precalculus, Graphing, Data and Analysis, Sullivan & Sullivan

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From the Catalog: Basic theory of functions, including polynomial, exponential, logarithmic and trigonometric functions. Inequalities. Analytic Geometry, plane trigonometry and vectors. Complex numbers. Systems of linear equations, matrices and determinants.

Prerequisites: Two years of high school algebra and equivalent/satisfactory score on ACT or Placement Exam, or MA092 with a grade of C or better, and one-half year of high school trigonometry or MA108 with a grade of C or better is strongly recommended. This course will not count toward a major or minor in mathematics.

Course Objectives: Identify, perform operations on and use a variety of functions, including polynomial, rational, exponential, logarithmic and trigonometric functions. Graph a variety of functions and use graphs. Use both rectangular and polar coordinates for graphing. Discuss systems of linear equations, linear inequalities and matrices.

SYLLABUS FOR FALL 2006: MTWRF 8:00 - 8:50

Week	Date	Monday	Tuesday	Wednesday	Thursday	Friday
1	9/4	BREAK	BREAK	1.1, 1.2	1.3	1.4
2	9/11	1.6, 1.7	1.7, 1.8	2.1	Review	TEST1
3	9/18	2.2	2.3	3.1	3.2	3.3
4	9/25	3.4	4.1	4.2	Review	TEST2
5	10/2	4.3	4.4	5.1	5.2	5.3
6	10/9	5.4	5.5	5.6	Review	TEST3
7	10/16	6.1	6.2	6.3	6.4	6.5
8	10/23	6.6	7.1	7.2	Review	TEST4
9	10/30	7.3	7.4	7.5	7.6	8.1
10	11/6	8.2	8.3	8.4	Review	TEST5
11	11/13	8.5	8.6	8.7	8.8	9.1
12	11/20	9.2	9.3	BREAK	BREAK	BREAK
13	11/27	9.4	10.1	10.2	Review	TEST6
14	12/4	10.3	10.4	10.5	12.1	12.2
15	12/8	12.3	12.4	Review	Review	TEST7

Final Exam: Week of April 24-28. Please Check!