



**MATH 140:** Precalculus Mathematics

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

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**URL:** <http://pigozzi.lssu.edu/WWW/TEACH/LSSU/S06/LSSU140S06/LSSU140S06.html>

**Office hours:** M 2:00-2:50, TR 1:00-1:50, W 8:00-8:50 & 2:00-2:50

**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 SPRING 2006: MTWRF 12:00 - 12:50

Week	Date	Monday	Tuesday	Wednesday	Thursday	Friday
1	1/9	1.1, 1.2	1.3, 1.4	1.6, 1.7	1.7, 1.8	TEST1
2	1/16	2.1	2.2	2.3	3.1	TEST2
3	1/23	3.2	3.3	3.4	4.1	TEST3
4	1/30	4.2	4.3	4.4	5.1	TEST4
5	2/6	5.2	5.3	5.4	5.5	TEST5
6	2/13	5.6	6.1	6.2	6.3	TEST6
7	2/20	6.4	6.5	6.6	Review	TEST7
8	2/27	BREAK	BREAK	BREAK	BREAK	BREAK
9	3/6	7.1	7.2	7.3	7.4	TEST8
10	3/13	7.5	7.6	8.1	8.2	TEST9
11	3/20	8.3	8.4	8.5	8.6	TEST10
12	3/27	8.7	8.8	9.1	9.2	TEST11
13	4/3	9.3	9.4	10.1	10.2	TEST12
14	4/10	10.3	10.4	10.5	12.1	TEST13
15	4/17	12.2	12.3	12.4	12.7	TEST14

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