



MATH 140: Precalculus Mathematics

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

Instructor: George Voutsadakis

Office: CAS 206J

Phone: 635-2667

Email: gvoutsad@lssu.edu

URL: <http://pigozzi.lssu.edu/WWW/TEACH/LSSU/F04/LSSU140F04/LSSU140F04.html>

Office hours: MTRF 1:00-1:50, W 10:00-10:50

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 arithmetic and geometric sequences and use them for problem solving.

SYLLABUS FOR FALL 2004: MTWRF 9:00 - 9:50

Week	Date	Monday	Tuesday	Wednesday	Thursday	Friday
1	8/30	1.1, 1.2	1.3, 1.4	1.6, 1.7	1.7, 1.8	2.1
2	9/6	BREAK	BREAK	2.1	2.3	Review
3	9/13	Review	3.1	3.2	3.3	3.4
4	9/20	4.1	Review	Exam 1	4.2	4.3
5	9/27	4.4	5.1	5.2	5.3	5.4
6	10/4	5.5	5.6	Review	Review	6.1
7	10/11	6.2	6.3	6.4	6.5	6.6
8	10/18	Review	Exam 2	7.1	7.2	7.3
9	10/25	7.4	7.5	7.6	Review	Review
10	11/1	8.1	8.2	8.3	8.4	8.5
11	11/8	8.6	8.7	8.8	Review	Exam 3
12	11/15	9.1	9.2	9.3	9.4	Review
13	11/22	Review	10.1	BREAK	BREAK	BREAK
14	11/27	10.2	10.3	10.4	10.5	10.6
15	12/6	Review	Exam 4	13.1	13.2	13.3

Final Exam: Week of December 13-17. Please Check!