

Math 103: Pre-Calculus

Fall, 2010

TR 8:00-9:20 Jones 307

Instructor: Larry Leemis

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Office hours: Monday and Wednesday: 1:45 - 3:15 PM, or by appointment

Purpose:

A student completing this course should be have the mathematical preparation for a class in calculus.

Prerequisites:

Students should have taken a high school class in algebra, geometry, and trigonometry.

Text:

Larson, R. (2011), *Pre-Calculus: A Concise Course, Second Edition*, Brooks/Cole.

Grades:

Course grades will be determined by these weights:

Homework	25%
Midterm exam 1	20%
Midterm exam 2	20%
Final exam	35%

The grading scale for the course will be:

90 - 100 %	A
80 - 90 %	B
70 - 80 %	C
60 - 70 %	D
0 - 60 %	F

Plus and minus grades may be assigned within each range.

Homework:

A homework set of approximately 20 questions will be assigned every class session. The homework set is due at the beginning of the subsequent class period. No late homework assignments will be accepted.

Course outline:

1. Functions and their graphs
2. Polynomial and rational functions
3. Exponential and logarithmic functions
4. Trigonometry
5. Analytic trigonometry
6. Topics in analytic geometry