Math 190 - Pre-calculus - Summer 2013

SYLLABUS

Professor: Eric Lehtonen

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Office hours: M-TH 10:00-11:00

Calculators: The TI-30 Calculator or equivalent is required for this class.

Text: Pre-calculus, Blitzer, 4th edition.

Grading:

Exams	90%	There will be 3 Exams. Each exam may be cumulative. Please note the tentative test schedule in the lecture schedule.
Homework	10%	Homework will be assigned daily.

Attendance: Students not attending the first day of class will be automatically dropped. Students missing more than one week worth of classes, dating from when the student first enters the class will be dropped.

Any student with a documented disability who may need educational accommodation should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.

MEASURABLE COURSE OBJECTIVES AND MINIMUM STANDARDS FOR GRADE OF "C":

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Demonstrate a solid knowledge of the general concepts of functions..
2. Demonstrate the ability to work with polynomial and rational functions in the complex number system.
3. Demonstrate a working knowledge of exponential and logarithmic functions.
4. Demonstrate knowledge in the formulation of analytic trigonometry.
5. demonstrate the ability to solve application problems invovling trigonometry.
6. Demonstrate a strong foundation in the introduction to trigonometry.
7. Demonstrate skills in analytic geometry.
8. Demonstrate basic knowledge of sequences and series.

Student Learning Outcomes:

By the end of this course the successful student should be able to:

Compute the difference quotient of given function *f(x).*
Solve triangles using appropriate trigonometric laws.
Solve application problems involving logarithmic or exponential functions
Find roots of polynomials of degree 3 or more
Apply function operations both algebraically and graphically.

Lecture And Test Schedule

Week 1	**Sections**
June 24	1.1-1.5
June 25	1.6-1.9
June 26	1.7-1.9
June 27	2.1-2.3

Week 2

July 1	2.4-2.6
July 2	2.7-3.2(Skip 2.8)
July 3	**Test 1**
July 4	**Holiday**

Week 3

July 9	Chapter 4
July 10	5.1-5.2
July 11	5.3-5.4

Week 4

July 15	5.5
July 16	6.1-6.2
July 17	6.3-6.4
July 18	**Test 2**

Week 5

July 22	6.5,7.3
July 23	9.1-9.3
July 24	9.4
July 25	10.1-10.3

Week 6

July 29	10.4
July 30	10.5
July 31	Review
Aug 1	**Test 3**

HOMEWORK ASSIGNMENTS

All homework assignments **MUST** be turned in on 81/2 X11 blue books. No late homework is accepted. They are due the day of the tests. Neatness matters… a lot. (Up to 50%). The homework problems represent the barest minimum of what you should be attempting, andgenerally are more difficult than the test problems.

Chapter 1

Sec.	#'s	Sec	#'s
1.1	Review	**1.6**	32,72,112
1.2	22,32,44,76	**1.7**	14,36,62,
1.3	34,42,52,74,76	**1.8**	4,22,42
1.4	24,44,6490	**1.9**	8,26,32,48,58
1.5	6,8,18,32		

Chapter 2

Sec.	#'s	Sec	#'s
2.1	8,16,24,32,46	**2.5**	8,16,24,32
2.2	12,24,40	**2.6**	58,62,76
2.3	20,30,40,76	**2.7**	12,36,48
2.4	12,24,36,42		