

Math 190 - Precalculus -Fall 2013

SYLLABUS

Professor: Eric Lehtonen
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Office: 2763
Office hours: T-Th 5:15-6:15
M-W 10:00-11:00

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

Text: Pre-calculus, Blitzer, 5th edition.

Grading:

Tests	60%	There will be 4 exams. 15% each
Final	30%	Duh
Quizzes	10%	There will be daily quizzes, based on previous material
Homework	0%	Suggested HW will be assigned daily, based on previously covered material. The quizzes will come directly from the homework.

Attendance: Students not attending the first day of class will be automatically dropped. After that, you must drop yourself if you choose to stop attending. If you, don't you will get an "F."

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 involving 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		Week 9	
Aug 20	Intro, 1.1,1.2	Oct 15	6.3,6.4
Aug 22	1.3,1.4,1.5	Oct 17	6.5,6.6
Week 2		Week 10	
Aug 27	1.6,1.7	Oct 22	6.7
Aug 29	1.8,1.9	Oct 24	7.3
Week 3		Week11	
Sep 3	2.1,2.2,2.3	Oct 29	9.1,9.2
Sep 5	2.4,2.5	Oct 31	9.3,
Week 4		Week 12	
Sep 10	2.6,2.7	Nov 5	9.4
Sep 12	3.1,3.2	Nov 7	Test 3
Week 5		Week 13	
Sep 17	Test 1	Nov 12	10.1
Sep 19	3.3,3.4,3.5	Nov 14	10.2
Week 6		Week 14	
Sep 24	Chap. 4	Nov 19	10.3
Sep 26	5.1,5.2	Nov 21	10.4
Week 7		Week 15	
Oct 1	5.3,5.4	Nov 26	review
Oct 3	5.5	Nov 28	Test 4
Week 8		Week 16	
Oct 8	6.1,6.2	Dec 3	Review
Oct 10	Test 2	Dec 5	Final Exam

HOMEWORK ASSIGNMENTS

All homework assignments **MUST** be turned in on 8 1/2 X 11 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, and generally are more difficult than the test problems.

Chapter 1

Sec.	#'s	Sec	#'s
1.1		1.6	
1.2		1.7	
1.3		1.8	
1.4		1.9	
1.5			

Chapter 2

Sec.	#'s	Sec	#'s
2.1		2.5	
2.2		2.6	
2.3		2.7	
2.4			

Chapter 3

Sec.	#'s	Sec	#'s
3.1	16,30,48	3.4	10-90, by 10's
3.2	8,32,56,74	3.5	4,16,32 EC
3.3	44,50,56,62,68		

Chapter 4

Sec.	#'s	Sec	#'s
Chapter 4 Test, Page 583			

Chapter 5

Sec.	#'s	Sec	#'s
5.1	6-60, By 6's	5.4	6,18,26,34 EC
5.2	6-60, By 6's	5.5	10-110, By 10'S
5.3	6-60, By 6's		

Chapter 6,7

Sec.	#'s	Sec	#'s
6.1	12,24,30,32	6.4	14-34 by 5's,40
6.2	12,18,24	6.5	42,46,58,66,72
6.3	6-72 by 6's	7.3	