

Math 154 Pre-Calculus Mathematics II

Summer 2009

Location and Time: M-R 10:50-12:00 Bouillon 144

Instructor: Dr. Yvonne Chueh

Office and Contact: Bouillon 107G, Phone: 963-2124, e-mail: chueh@cwu.edu

Office Hours: 1:00 to 2:00 pm M-R and by appointment

Check <http://www.cwu.edu/~chueh> for my current class schedule

Course goals: This course is a continuation of Math 153 with emphasis on trigonometric functions, vectors, systems of equations, the complex numbers, and an introduction to analytic geometry.

Prerequisites: Math 153 or a 17 or better on the Math Placement Test (Advanced).

Required Text: David Cohen, Theodore Lee, David Sklar, *Precalculus A Problems-Oriented Approach*, 6th Edition, Thomson Learning

Course outlines:

- Trigonometric Functions
- System of Equations
- Roots of Polynomial Equations
- Complex numbers

Homework: Daily homework will be assigned and checked for completion every Monday. The assigned problems will form the basis of the quizzes and tests. Similar problems will be explained and solved in class. You are encouraged to go through the homework assignments independently or with other students or seek help from me. Preliminary reading and attending each class is essential to your success on completing the homework and readiness for quizzes and tests.

Quizzes: The quizzes will be given in classroom. They are typical pop quizzes consists of two or three short questions covered during the week. They should take no more than ten minutes to finish.

Tests: There will be three hour tests.

Final Exam: Final exam is accumulative and required for passing the course. Students can prepare themselves for the final exam by making corrections on previous tests and quizzes. Same types of questions will appear again on the final.

Grading: Your course grade will be determined by the following:

1. **Quizzes:** 100 points
 2. **Homework:** 100 points
 3. **Three Tests:** 300 points
 4. **A comprehensive final exam:** 100 points.
- Total: 600 points

A perfect score on the above categories would result in a total of 600 points. Your course grade will be determined by the percentage p of these points you earn, according the following scale.

$93 \leq p$	A	$74 \leq p < 76$	C
$90 \leq p < 93$	A-	$70 \leq p < 74$	C-
$86 \leq p < 90$	B+	$65 \leq p < 70$	D+
$84 \leq p < 86$	B	$58 \leq p < 65$	D
$80 \leq p < 84$	B-	$p < 58$	F
$76 \leq p < 80$	C+		

Note: No make up test will be given unless for medical or emergency reasons with written proof. No make up quiz can be arranged due to the timely nature and fairness of quiz. Students **must** take the final exam to pass the course.

Students with disabilities: If you require accommodation based on a documented disability, have emergency medical information to share, or need special arrangements in case of emergency evacuation; please discuss the situation with me as soon as possible.

SCHEDULE OF CLASS TOPICS AND ASSIGMENTS

A list of timing of topic coverage and exams is presented below. In order to perform well in this class, **preliminary textbook reading** before each class and continue throughout the entire course is *a must*.

<u>Week</u>	<u>Sections to be covered</u>	<u>Topic</u>
1. June 22-June 26	6.1-6.5	Trig functions of angles
2. June 29-July 3	7.1-7.7	Trig functions of real Numbers
3. July 6-July 10	Test 1	

4. July 13-July 17	8.1-8.5	Analytical trigonometry
5. July 20-July 24	9.1-9.6	Vectors, Polar coordinates
6. July 27-July 31	Test 2	
7. August 3-August 7	10.1-10.7	Systems of equations
	Math Conference August 6-8	
8. August 10-August 14	12.1-12.8	Complex numbers Polynomial equations
9. August 17-August 21	Test 3	
	Final Exam	