

1. Course Title:

Pre-Calculus II

Course Number: Math 154 Credits: 4
Prerequisite: Math 153
Lecture: 09:00 AM – 09:50, Monday – Thursday
Location: Bouillon, Room 111

2. Faculty Member Information:

Instructor: Nathan Davis Office: 203B
E-mail: davisna@cwu.edu Phone: 509-963-1763
Office Hours: Noon – 12:45 PM, Mon - Fri

3. Course Description:

A continuation of Math 153 with emphasis on trigonometric functions, vectors, systems of equations, the complex numbers, and an introduction to analytic geometry.

4. Textbook and other required materials for the course:

Precalculus by D. Cohen, et al, Seventh Edition.

The textbook is required

A graphing calculator will be required for this course.

A TI-83+ is recommended.

5. Specific Learner and Expressive Outcomes and Assessment Strategies:

Upon successful completion of this course, the student will be able to:

- define and use the concept of radian measure;
- define the six standard trigonometric functions: sine (sin), cosine (cos), tangent (tan), cotangent (cot), secant (sec), and cosecant (csc);
- use the trigonometric functions to solve problem;
- recognize the graphs of the trigonometric functions and know their basic features;
- understand the notion of simple harmonic motion and how to represent such motions using trigonometric functions;

6. Course Topics and Schedule:

The course will cover material from chapters 6-10 of the Cohen text. The material to be covered is trigonometry, with an eye toward its use in subsequent calculus courses. You should read and work the examples in the textbook.

Final Exam: Friday, March 13th, 2012, from 8:00 AM – 10:00 AM (Comprehensive)

7. **Grading:** Your final grade will be based on the weighted system as outlined below.

Homework	50%
Exams and Quizzes	50%

		77%≤Grade<80%	C+
94%≤Grade	A	74%≤Grade<77%	C
90%≤Grade<93%	A-	70%≤Grade<73%	C-
87%≤Grade<90%	B+	67%≤Grade<70%	D+
84%≤Grade<87%	B	64%≤Grade<67%	D
80%≤Grade<83%	B-	60%≤Grade<63%	D-
		Grade<60%	F

8. ADA Statement:

Students who have special needs or disabilities that may affect their ability to access information and or material presented in this course are encouraged to contact me or Robert Harden, ADA Compliance Officer, Director, ADA Affairs and Students Assistance on campus at 963-2171 for additional disability related educational accommodations.