

## MATH 110 Spring 2009 Course Syllabus

**Instructor:** Benjamin Van Dyke      **e-mail:** benjamin.vandyke@wwcc.edu  
**Office:** 15C      **Office phone:** 527-4356  
**Office Hours:** 12:30-1:30 daily      **Math Lab Hours:** 11:30-12:30 daily  
**Website:** <http://staff.wwcc.edu/benjamin.vandyke/>  
**Textbook:** Precalculus: A Consise Course, Larson, Hostetler

### Course Description and Objectives

The second course of the precalculus sequence. Graphical analysis of concepts is emphasized through the use of graphing calculators. Topics include: right triangle trigonometry, algebraic and graphical analysis of trigonometric and inverse trigonometric functions, applications of trigonometric functions, vectors, systems of linear and nonlinear equations, (algebraic, matrix, and graphical solution techniques) parametric, and polar graphing.

### Prerequisites and Class Policy

Grade of C- or higher in MATH 109 or permission of the Mathematics Department is required to enroll in this course.

### Homework

Each homework assignment is worth 10 points (with all work shown). The total homework score for the course will be based upon a 100 point scale. Homework will be collected periodically throughout the course. The list of homework problems is attached to this syllabus.

### Quizzes

Quizzes will be given periodically throughout the course as a means of practice and to test knowledge on the current section. Each quiz will be worth either 5 or 10 points, with partial credit given for demonstration of knowledge. The total quiz score for the course will be based upon a 60 point scale.

### Exams

Four midterm exams will be given during the course and a cumulative final exam will be given at the end of the course. Each midterm exam is worth 100 points and the final exam is worth 200 points.

### Exam Corrections

Each exam will be corrected for a 10 point assignment. This correction will not change your exam score, but will be counted against your grade if not completed.

### Grading Procedure

Homework	100 pts
Quizzes	60 pts
Exam Corrections	40 pts
Midterm Exams	400 pts
Final Exam	200 pts
Total	800 pts

### Grading Scale

800-720 points	A
719-640 points	B
639-560 points	C
559-480 points	D
0-479 points	F

### Special Services and Student Accommodations

If you have a disability and need accommodations, please see me after class or contact Claudia Angus, the Coordinator of Disability Support Services.

This syllabus is subject to change during the course, depending on the needs of the class and instructor.

## List of Homework Problems

Section	Problems assigned
4.1	1-105 every other odd
4.2	1-61 every other odd
4.3	1-69 every other odd
4.4	1-89 every other odd
4.5	1-85 every other odd
4.6	1-77 every other odd
4.7	1-97 every other odd
4.8	1-61 every other odd
5.1	1-97 every other odd
5.2	1-53 every other odd
5.3	1-77 every other odd
5.4	1-77 every other odd
5.5	1-121 every other odd
5.6	1-41 every other odd
5.7	1-49 every other odd
6.1	1-57 every other odd
6.2	1-65 every other odd
6.3	1-65 every other odd
6.4	1-57 every other odd
6.5	1-65 every other odd
6.6	1-69 every other odd
6.7	1-53 every other odd, 55
6.8	1-57 every other odd