

Math 142-01

Precalculus II

Spring 2010

Instructor: Fred Kuczmarski

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Hours: 10:30-11:20 Daily, and by appointment.

Text: *Precalculus: Mathematics for Calculus, Fifth Edition*, James Stewart, Lothar Redlin, and Saleem Watson

Prerequisites: Math 141 (previously Math 110) (2.0 or above) or equivalent

Topics: Triangle Trigonometry (Chapter 6)

Trigonometric Functions of Real Numbers (Chapter 5)

Analytic Trigonometry (Chapter 7)

Polar Coordinates and Vectors (Chapter 8)

Parametric Equations (Section 10.4)

Materials: A protractor and a ruler are required for each class. A scientific calculator will be necessary at times. Sharing of any materials is not permitted during quizzes or exams.

Course Objectives: Master the content of the course. Continue to develop problem-solving skills. Learn to write clear and precise mathematics in complete sentences.

Grading: You will be graded on the clarity of your work as well as its mathematical accuracy. The score for each word problem will include 3 points for the clarity, organization, and completeness of your solution. These 3 points will be based on the inclusion of the following:

1. An accurate picture (if appropriate)
2. Brief but sufficiently clear explanatory sentences throughout the solution
3. Organized and legible work that proceeds vertically down the page
4. Use of correct mathematical notation
5. A concluding sentence that answers the question with the correct units

In addition, all introduced variables must be defined and axes on graphs should be labeled with units and the appropriate variable name. Points for these items are included in the remaining points for the problem.

Weekly Quizzes: A 25 minute quiz will be given each Tuesday, except in the event of a test. No makeups will be given. Seven quizzes will be given. Your six highest scores will count.

Worksheets: Approximately once per week we will have an in-class worksheet that you will work on together in groups. You must be in class and participate in your group to receive credit. Those student who arrive late or who do not fully participate are not eligible to receive full credit.

Tests: There will be two tests - April 27 and May 25. These dates are subject to change. Makeups will be given only in the event of illness or emergency, provided you contact the

instructor **BEFORE** the exam. Each test will cover material since the start of the course. No notes will be permitted.

Final: The final is on Thursday, June 10, 8am -10am. It will be comprehensive. No notes will be permitted. This date is set by the college and cannot be changed for any reason. Please plan to attend.

Homework: Homework is due 1:00 pm each Friday. You may turn in one homework late without penalty, but it must be turned in by the start of class on the following Monday. Otherwise late homework will not be accepted.

Each homework must be stapled and include a cover sheet, containing the following information:

1. Your name, section, and the homework number.
2. A list of the problems you did not complete or solved incorrectly.
3. A brief summary of what gave you trouble, if anything.
4. The percentage of the problems assigned that you did complete correctly.
5. Your grade on the homework, as calculated below.

Each homework is worth 5 points. Determine your grade G from the percentage, P of problems you solve correctly, by the following formula:

$$G = [(P + 10)/20],$$

where $[x]$ denotes the greatest integer less than or equal to x . Your nine highest homework scores (out of ten) will count toward your grade. You will not receive credit without a cover sheet.

Writing Requirements for Homework:

Show your work.

Use standard-size paper without tears or fringes.

Staple any work that is more than one page.

Write neatly in pencil. Do not cross out errors. If you find yourself erasing extensively, stop and start again on a fresh page.

Use a straight edge for coordinate axes. Label axes with variables names and units.

P/NC Option Grading: Those students choosing this option must do so by April 20 by submitting a Pass-Option Card (signed by the instructor) to the registration desk, otherwise a decimal grade will appear on your transcript. If an emergency situation occurs after this date that affects your ability to attend class and perform class work, you may fill out a form formally requesting a Z-grade. This request may be granted or denied, depending on the situation.

Withdrawals: The last day to withdraw from class is May 10.

General Comments: To master the material, it is essential that you set aside time **each day** to think about the homework problems and the concepts introduced in class. You should plan on spending an average of twelve to fifteen hours per week outside of class.

If you do not have this much time to spend studying, I would suggest taking the class another quarter when you have more free time.

Cheating and Plagiarism: Any student caught cheating on a quiz or a test will get a 0.0 for the course. While it is intended that you consult with one another on the homework, it is not permissible to copy the work of another student. Should this occur, all students involved will receive a 0 for that homework. It is also not permissible to copy from a solution manual. Students doing so will also receive a 0 for that homework.

Emergencies: If school is closed for any reason, we will start where we left off when class resumes. If we were scheduled to have an exam the day school is canceled, the exam will take place the first day back at school.

Special Services: Students with disabilities have the right to request and receive reasonable accommodations to ensure access to programs and facilities at Shoreline Community College. To receive reasonable accommodations, students are responsible for requesting accommodations and documenting the nature and extent of their disability in a timely manner. Students should direct their requests for reasonable accommodation to the Services for Students with Disabilities office. Contact Shoreline's coordinator of Services for Students with Disabilities at 546-5832 or 546-4520 (TTY) in the Foss Building, Room 2133J for more information or for an assessment of your individual needs.

Electronic Devices: All electronic communication devices such as cell phones and pagers must be turned off during class.

Grading: The grade will be based on the following. The point distribution shown below is approximate and is subject to change.

Weekly Quizzes	6 @ 30 points each for 180 points
Worksheets	8 @ 5 points each for 40 points
Homework	9 @ 5 points each for 45 points
Tests	2 @ 50 points each for 100 points
Final	1 @ 100 points

The grading scale is linear and will be approximately as follows:

95%: 4.0 80%: 3.0 65%: 2.0

The content of this syllabus is subject to change at the discretion of the instructor. Any changes will be announced in class.