

Instructor: Fred Kuczmarski

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Hours: 10:30-11:20 M-F or by appointment.

Texts: *Elementary and Intermediate Algebra, 5th edition*, Bittinger, Ellenbogen, and Johnson

Prerequisites: Math 80 (2.0 or above) or equivalent

Topics: Introduction to Functions (7.1-7.4)

Linear Inequalities, Absolute Value Equations and Inequalities (9.1,9.3)

Rational Functions (6.1-6.4,6.6-6.7)

Exponents and Radical Functions (10.1-10.7)

Quadratic Functions (11.1-11.4, 11.6-11.8)

Exponential and Logarithmic Functions (12.2, 12.3, 12.5, 12.6, 12.7)

Course Description: This course concentrates on linear, quadratic, rational, absolute value and exponential functions. Solving equations, graphing, and solving story problems will be emphasized throughout the quarter.

Course Objectives:

- 1) To become proficient in solving the types of equations listed above.
- 2) To become comfortable and proficient in solving word problems.
- 3) To communicate clearly and effectively using complete English sentences along with mathematics.

Grading: You will be graded on the clarity of your work as well as its mathematical accuracy. The score for each problem will include 2 points for the clarity, organization, and completeness of your solution. These 2 points will be based on the inclusion of the following:

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

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.

Quizzes: A surprise quiz may occur at any time. It will usually cover the previous day's classwork. Prepare for these quizzes by actively studying your notes after every class. An effective method would be to cover up the solutions to all the problems we did in class and then attempt these problems on your own.

Tests: There will be four tests. The tentative dates are October 7, October 21, November

4, and November 18. Any changes will be announced in class. No makeups will be given. Each test will cover material since the beginning of the course. No notes will be permitted. Your three highest scores will count toward your grade.

Final: The final is on Tuesday, December 6, 11:30am - 1:20pm. 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 at 3:00pm on Wednesdays. Place the homework in the box by the instructor's office door, **not** in the instructor's mailbox. You may turn in **one** homework up to two days late, otherwise late homework will not be accepted for any reason.

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. You will not receive credit if you do not show 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.

Worksheets: We will do worksheets in class about once every week. Those students arriving late, leaving early, or not making a maximum effort will be eligible for only partial credit. Those students not attending will receive no credit.

Withdrawals: The last day to withdraw from class is November 2nd.

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 ten to twelve hours per week outside of class.

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 and occasionally the solution manual on the homework, it is not permissible to copy the work of another student or the solution manual. Should this occur, you will 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 devices including cell phones and laptops 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.

Homework	9 @ 5 points each for 45 points
Quizzes	20 @ 3 points each for 60 points
Worksheets	9 @ 3 points each for 27 points
Tests	3 @ 40 points each for 120 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.