

Math 080-S1,S5

Elementary Algebra

Winter 2009

Instructor: Fred Kuczmarski

Phone: 546-6993

Office: Foss Building 5348

E-mail: fkuczmar@shoreline.edu

Hours: 8:30-9:20 MWF and 10:30-11:20 T,Th, or by appointment.

Text: *Elementary Algebra, 4th Edition*, Alan S. Tussy and R. David Gustafson

Prerequisites: Math 070 (2.0 or above) or equivalent

Topics: Equations and Problem Solving (2.1-2.6)

Graphing Linear Equations in Two Variables (3.1-3.6)

Systems of Linear Equations (4.1-4.4)

Exponents and Polynomials (5.4-5.7)

Factoring and Quadratic Equations (6.1-6.4, 6.6-6.8)

Radical Expressions (8.1-8.2)

Quadratic Equations (9.1-9.3, 9.5)

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 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 25 minute quiz will be given each Friday, except in the event of a test. No makeups will be given. Eight quizzes will be given. Your seven highest scores will count.

Tests: There will be two tests - January 30th and February 27th. 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 beginning of the course. No notes will be permitted.

Final: The final is on Thursday, March 19th, 8am -10am for the 7:30 class. The final for the 11:30 class is on Friday, March 20th, 11am - 1pm. 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, except in the event of a holiday. Place the homework in the appropriate box by the instructor's office door. 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.

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.

Classwork: You will be assigned problems to solve during each class and will be graded approximately three times per week on your efforts to solve these problems. 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 February 18.

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. If you do not have this much time to spend studying, I highly recommend 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 project or 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.

Homework	9 @ 5 points each for 45 points
Classwork	30 @ 3 points each for 90 points
Weekly Quizzes	7 @ 30 points each for 210 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.