

Instructor: Ella Kleshcheva
Office/Phone: 5 Deady Hall / 346-4724
Email: eklesh@uoregon.edu

Office Hours:
Mon: 9-10, Tue: 12-1, Wed: 9-10
or by appointment

Required Text: *Beginning and Intermediate Algebra, 3rd edition*, by Miller, O'Neill, Hyde. Either the publisher's edition or the custom version printed for the University of Oregon may be used for this class.

Recommended Materials: Any scientific calculator or graphing calculator (TI-83 or TI-84). We will not be using calculators on quizzes or exams, however you may use one on the homework.

Prerequisites: Successful completion of Math 70 or an acceptable score on the placement test through the testing office.

Course Description: Math 95 is an Intermediate College Algebra class designed for college students to prepare them to succeed in their future college math classes. It is a prerequisite for Math 111 and Math 105-106-107 courses. In Math 95 we will be using the same book as in Math 70. We will study chapters 6-11. Chapter 6 is about factoring. It is where we finished in Math 70 and where we start again in Math 95. Chapter 7 is an in-depth look at rational expressions and equations, chapter 8 contains an introduction to functions, chapter 9 covers absolute value equations and absolute value inequalities, chapter 10 covers radicals and radical expressions, and chapter 11 is on quadratic equations and their graphs.

Grading: Math 95 is a pass/no-pass course that does not count for college credit but it does count for attendance credit for financial aid. To get a passing grade in Math 95 class a student has to get **C-(70%) or better overall class grade plus D-(60%) or better on the final exam (required by the mathematics department.)**

Course grade will be based on a weighted average score of your homework, worksheet, quizzes, midterms, and final exam.

For Instructors Regarding Homework Assignments: The textbook can be purchased with a MathZone code. MathZone is a program which can be used for homework, worksheets, reviews, and even quizzes. We don't have to use it though since we still have an option of using a paper marker assigned by the department for grading students' homework assignments. Another option is using WebWork as online program for homework and reviews. The choice should be made by each instructor individually. In this syllabus MathZone is used for homework assignments.

Homework (10% of final grade): The homework assignments will be assigned over the internet via software called **MathZone**. MathZone assignments will be due at 11 pm on the given due dates usually twice per week.

To access MathZone you will need **two** codes. On the cover of your new textbook is a code proving you have purchased the book with MathZone. If you got your book used or you bought a book that did not come with MathZone you will need to go to **<http://www.mathzone.com>** and purchase a code. If you have used MathZone in the past, you may not be required to purchase a new code. You will also need our particular course enrollment code. **The code for our class is as follows: 79E-8F-D4A**

If you need technical help with MathZone you can contact their technical support directly at (800)331-5094 or at **<http://www.mhhe.com/support>**.

Late homework will not be accepted on the MathZone. Two lowest MathZone homework scores will be dropped.

Attendance and Participation (10% of final grade): Attendance is required. To keep track of your attendance I will collect all in-class worksheets. Some of them will be graded and counted toward your attendance and participation grade. You will not be able to get in-class worksheets after class. The lowest worksheet score will be dropped. If you miss a class it is your responsibility to find out what was missed and catch up with the material.

Quizzes (10% of final grade): There will be 5 quizzes during the term. Quizzes will be given during the last 20 minutes of class usually on Wednesdays. There are no make-ups on quizzes. The lowest quiz score will be dropped.

Midterms(40% of final grade): Midterm exam make-ups are available in case of emergency or illness. Please make arrangements with me before the exam time or after the fact as soon as possible.

Midterm I: Friday, October 21

Midterm I: Friday, November 18

Final Exam (30% of final grade): Monday of the finals week at 6 pm.

Blackboard: You can use our Blackboard website to see syllabus, schedule, homework assignments, your grades and more.

To access our class blackboard site go to <http://blackboard.uoregon.edu/>

Math 095 Fall 2011 Tentative Class Schedule:

Week	Sections Covered
1	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7
2	6.8, 7.1, 7.2, 7.3, 7.4
3	7.5, 7.6, 7.7, 8.1, 8.2
4	8.3, 8.4, Review, Exam #1
5	9.1, 9.3, 9.4
6	10.1, 10.2, 10.3
7	10.4, 10.5, 10.6, 10.7
8	11.1, 11.2, Review, Exam #2
9	11.3, 11.4 Thanksgiving
10	11.5, 9.2, Review

* Sections 8.4 and 9.2 are optional. Omit them if you are out of time.

* On the other hand if you think you can be done with chapters 6-11 sooner, cover Chapter 12.

General Suggestions:

- Don't get behind in your work, homework, etc.
- Participate in class, ask questions, make use of my office hours.
- Form a study group with others in the class. Feel free to work on homework together—but everyone must join-in and work.
- If you think you'll need extra help, get a tutor right away. Check with Academic Learning Services (room 68 PLC).
- Academic Learning Services also maintains a free drop-in lab with tutors starting from week 2 (room 72 PLC, Mon-Fri: 9-4.)

Course Goals: By the end of this class students should be able to:

- Use prerequisite concepts and skills of the arithmetic of real numbers and algebraic expressions.
- Simplify and solve linear equations.
- Graph linear equations and write the equation of the line.
- Perform operations involving polynomials and rational expressions.
- Factor quadratic and other polynomial expressions.
- Solve quadratic and polynomial equations by factoring.
- Solve equations containing rational expressions.
- Apply rules of exponents, and use scientific notation.
- Simplify and perform operations involving radicals and rational exponents.
- Solve equations involving radical expressions.
- Solve quadratic equations by taking square roots, by completing the square, and by the quadratic formula.
- Given a quadratic function find its vertex, axis of symmetry, intercepts, and graph the parabola.

For Instructors: A lot of students in Math 95 get into class by taking placement test and do not take Math 70 and therefore need some review of Math 70 material. That is why we want to cover chapter 6 again so students have chance to review/study factoring polynomials before the chapter on rational expressions and equations. It is also needed to review equations of lines while covering chapter 8 on relations and functions, review linear inequalities before starting chapter 9 on compound and absolute value inequalities, and review exponential expressions before chapter 10 on radicals and complex numbers. Chapter 12 on exponential and logarithmic functions is optional. It will be studied in Math 111 in details.