MATH 95   Fall 2012

Instructor: Craig Tingey   CRN 16704
Office: 109M Deady
Phone: 346-5618
email: ctingey@uoregon.edu
Office Hours: 1:00–1:50 pm MTuW F
             4:30–5:20 pm M   W
                and by appointment

Text: *Beginning and Intermediate Algebra, 3rd edition* by Miller, O'Neill and Hyde. We will **not** be using MathZone, so you don't need to purchase a MathZone code. We will cover chapters 6 through 11.

Homework: Homework will be assigned weekly via Blackboard and is due by 5 pm each Friday. You can give your homework to me any time before it's due, or you can slide it under my office door. Each homework assignment is worth 15 points. Your lowest homework score will be dropped.

Quizzes: We will have a quiz most Fridays during the first twenty minutes of class. Each quiz is worth 25 points. There will be no makeup quizzes. Your lowest quiz score will be dropped.

Midterms: There will be two midterm exams.
- Friday, October 19
- Friday, November 16

  Each midterm is worth 100 points. A make up exam will be given only if I am informed *before* the scheduled test and then only for a substantial reason.

Final Exam: The final exam will be Wednesday, December 5 from 10:15 am to 12:15 pm, in our usual classroom. The final is comprehensive and worth 150 points.

Calculators: You are encouraged (but not required) to have a graphing calculator for this class. I have a TI-83, but most graphing calculators are acceptable.

Points: The number of points possible is approximately:

Homework:	120 points
Quizzes:	150 points
Midterms:	200 points
Final:	150 points
Total:	620 points

Grades: Passing grade corresponds to 70% or more of the points. The Math Department also requires that you get a D- or better on the final in order to pass the course.

Important Dates: November 22–23—Thanksgiving vacation, no classes
                     November 11—last day to withdraw

Notes to Instructors:

We start this course at chapter 6, the last chapter covered in Math 70. Many of your students won't have taken Math 70, and for many others chapter 6 will have faded from memory, so it's a good idea to spend a week or two on chapter 6. Cover as much as you can from chapters 6–11; many instructors skip 8.4 and 9.2.

If you're not using MathZone, make that clear—it will save the students some money. The use of calculators is up to the instructor, but note that graphing calculators are usually required in Math 111. Most student throw away the syllabus, so put a copy on BlackBoard.

This course is required for Math 111 and Math 105-106-107, so the students should leave the course with the kills to tackle those classes. Specifically:

- factoring polynomial expressions; solve polynomial equations
- add, subtract, multiply and divide rational expressions; solve rational equations
- understand function notation, domain, range, graphs
- solve inequalities and absolute value equations and inequalities
- manipulate and reduce radicals; solve radical equations
- understand quadratics, use the quadratic formula

A short list of homework problems:

Chapter 6 Review (pp 480–481): 6, 20, 71, 90, 99

(7.1) 17, 72
(7.2) 21, 38, 56
(7.3) 46, 49
(7.4) 33, 50, 51, 53, 64, 65, 86
(7.5) 29, 47
(7.6) 25, 29, 41, 67
(7.7) 47, 49
(8.1) 25, 26
(8.2) 16, 27, 28, 31, 58, 74, 83
(8.3) 37, 48, 49
(9.1) 3, 6, 9, 16, 23, 30
(9.3) 18, 21, 27
(9.4) 31, 32, 46
(10.1) 29, 71, 72, 88, 89
(10.3) 49, 59, 62
(10.5) 23, 31, 59
(10.6) 17, 50, 67
(10.7) 11, 23, 42
(11.2) 11, 18, 30, 36, 63
(11.3) 27, 31

Ella's syllabi from previous years are excellent; I highly recommend them.