

MATH 110: College Algebra

INSTRUCTOR: Clare Hemenway

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CLASS TIME AND PLACE: TR 1:00 –2:15 in room 191

OFFICE HOURS: MF 10-11. MWF 12-1

And by appointment, or just drop by.

TEXT: Algebra and Trigonometry, 4th ed, by Stewart, Redlin, and Watson

Material Covered: Parts of Chapter 1, Chapters 2 thru 4, Parts of Chapters 10 and 12. Topics include functions and their properties, piecewise-defined functions, function transformations, operations with functions, inverses of functions, graphing quadratic and other polynomial functions, applications using quadratic functions, theory of polynomial equations, graphing rational functions, properties of exponential and logarithmic functions, applications of exponential and logarithmic functions, introduction to conic sections, solving systems of linear equations.

A scientific calculator is required. NO graphing calculator will be allowed on tests.

HOMEWORK: Homework is assigned most days; it is NOT collected. It is your responsibility to keep up with assignments and ask questions.

TENTATIVE TEST DATES: Tuesday, October 2

Thursday, November 1

Tuesday, December 11

DATE OF FINAL: Tuesday, December 18 1:00 -3:00 pm

GRADING: 3 tests 75% (25% apiece)

Comprehensive Final 25%

Up to 12 points extra credit, (added to a test score), may be obtained through take home quizzes (NO late quizzes accepted).

If you must miss a test for any reason, I must be notified ahead of time via phone or e-mail (unless it is an emergency). If your excuse is deemed valid, you may be allowed to take the test at a different time.

At most one test will be allowed to be taken at a different time.

GRADING RUBRIC

A average ≥ 92

A- $90 \leq \text{average} < 92$

B+ $88 \leq \text{average} < 90$

B $82 \leq \text{average} < 88$

B- $80 \leq \text{average} < 82$

C+ $78 \leq \text{average} < 80$

C $72 \leq \text{average} < 78$

C- $70 \leq \text{average} < 72$

D+ $67 \leq \text{average} < 70$

D $62 \leq \text{average} < 67$

D- $60 \leq \text{average} < 62$

F average < 60

COURSE GOALS

- To review basic algebra skills while learning new algebraic skills
- To prepare for further courses in math: either trigonometry or calculus
- To learn some applications of math
- To learn the basic concept of function
- To learn exponential and logarithmic functions
- To Improve graphing techniques
- To learn some history of Mathematics
- To appreciate the beauty of Mathematics
- To have some FUN (yes, fun) along with the inevitable FRUSTRATION of learning mathematics
- This is YOUR course! Participate and ask questions!