

MAT 099 – Intermediate Algebra, Spring Semester, 2014
Section G14

INSTRUCTOR: Dr. Harry S. (Steve) Mills, EDBH 134K, 970-339-6238, E-mail: Use mail tool on MyAims course website. (Click on Classlist from the main Navigation bar and then click on "Mills, Harry.") Emergency e-mail: steve.mills@aims.edu

IMPORTANT: The student is responsible for reading, understanding, and complying with all [Standard Syllabus Policies](http://www.aims.edu/inside/policies/standard-syllabus/) (<http://www.aims.edu/inside/policies/standard-syllabus/>), unless otherwise stated, below.

General:

Catalog Description: Emphasizes problem solving with further study of equations, slope, inequalities, systems of equations, polynomials, quadratic equations, rational expressions, rational exponents, radical expressions, graphing and applications.

My Description: It's a year's worth of high school algebra packed into a single semester.

Prerequisite(s): REA 060, ENG 060 and MAT 090 or higher (except MAT 103, MAT 107, MAT 108, MAT 109, and MAT 112), all with grade of C or better, or assessment. Four credits.

Required Materials:

Textbook: INTERMEDIATE ALGEBRA: Concepts and Graphs.

Publisher: XYZ Textbooks. 2010

Author: MCKEAGUE

Edition: N/A (It's the 1st edition, so they don't give it an 'edition'.)

ISBN: 9781936368006

Scientific Calculator: GRAPHING CALCULATORS ARE NOT PERMITTED ON TESTS, ALTHOUGH ELECTRONIC GRAPHING WITH ONLINE GRAPHERS OR GRAPHING CALCULATORS CAN BE HANDY FOR HOMEWORK. For tests, make sure you have a scientific calculator, with which you're comfortable. Graphing calculator isn't required, but it can be handy, sometimes.

One ream of copier paper.

Course Website: To access the website, login to <http://www.aims.edu> through the MyAims button on the upper right of the page, and click on My Courses tab. Then click on Intermediate Algebra.

Grades:

Three Categories: Tests (60%), Homework (20%), Final Test (20%).

Test Average will count 60% of the final grade. (Replace the lowest of these with your Final Exam grade.)

Homework will count 20% of the final grade. This is a small fraction of the points, but the bread and butter of the course. It's where you *learn* this stuff.

Final Test will count 20% of the final grade. FINAL TEST IS COMPREHENSIVE! THIS MEANS IT COVERS ALL TOPICS. I like to be able to give your Final Test a little more weight, if you do well on it. The only way I can justify this is if *everything* is fair game. If your Final is *worse* than your overall average, I'll count it 20%. But it might count more, if you do well on it. I like to leave some leeway for a student to demonstrate a strong understanding of the knowledge.

Grading Scale: 90% - 100% A 80% - 89% B 70% - 79% C 60% - 69% D

Stop-Out: Students who are inactive for 2 weeks will be reported as Stop-Out and dropped from the roster.

LEARNING OUTCOMES:

The student will demonstrate knowledge and usage of ...
... elementary algebra and problem solving.
... graphing linear equations and inequalities.
... systems of equations in two and three variables.
... inequalities and absolute value
... polynomials.
... rational expressions.
... exponents and radicals.
... quadratic equations and functions.

Makeup Tests: Documented illness and funeral obligations are the only excused absences on test days.

Student Conduct and Civility Statement: *Let common sense and common courtesy prevail!*

If they do *not* prevail, the student will be held to the letter and spirit of our Student Conduct Policy, which is discussed here:

<http://www.aims.edu/student/conduct/code-of-conduct?expanddiv=item1#expectations>

Again, standard syllabus information is found here:

<http://www.aims.edu/inside/policies/standard-syllabus/>

Special: Videos!

<http://www.mathtv.com/> is where you can find videos linked to our textbook, by following the Videos by Textbook link at the top, or you can just go straight to it with this link:

http://www.mathtv.com/videos_by_textbook?id=4#

Videos for Chapter 1 are free. Anything beyond that, you need to register and pay a fee. If you bought your book new, then the access code it comes with is all you need.

If you bought your book used *and* you like the videos, the cheapest deal thru our bookstore is to return the used book and buy it new, because they charge \$60 for new books and \$45 for used books, but they charge \$30 for the video lectures, purchased separately.