Course overview

Catalog Description:

3 Credits (3 hrs. lab.) Math 0315 is a non-course based option covering objectives students will need to be successful in College Algebra, MATH 1314 (3201045419) Prerequisite: Math 0106 or Math 0306 or Placement by Testing. Corequisite: MATH 1314

Total Contact Hours: 64

http://www.LoneStar.edu/lscs-catalog.htm

Student Learning Outcomes:

Upon completion of this course the student will
1 - Recognize, understand, and analyze features of a function.
2 - Perform operations using integer and rational exponents.
3 - Factor and perform operations with polynomials.
4 - Simplify and perform operations with rational and radical expressions to include complex numbers.
5 - Solve linear, polynomial, radical and rational equations.
6 - Solve linear and absolute value inequalities of a single variable and express solution sets in set builder and interval notation.
7 - Solve quadratic equations by factoring, completing the square, and the quadratic formula.
8 - Graph linear and quadratic functions.
9 - Write linear equations in standard form.
10 - Solve systems of linear equations and related applications.

http://www.LoneStar.edu/refresh_learning_outcomes.html
Prerequisites: A grade of C or better in Math 0106 or Math 0306, departmental approval, or test scores in the following ranges:

- TSI ASSESSMENT: 336-342
- TSI ASSESMENT: 310-335 ABE 5 or 6

Required Material: (In order to help the students save on textbook costs, we are now only requiring the purchase and use of MyMathLab) MyLab Math with Pearson eText -- Standalone Access Card -- for Beginning & Intermediate Algebra and College Algebra: A Corequisite Solution, 1/e 24 Month ISBN: 9780135268599 (use only in 0106, 0308 or 0314)

*Please let students know that MyMathLab (MML) access must be purchased either online at www.mymathlab.com, or at the bookstore on the Lone Star College – Cy Fair or Cypress Center campuses, or at Text Express across the street from the Lone Star College-Cy Fair campus. MyMathLab purchased at www.amazon.com and other online sites will not work, as it has a different ISBN than mentioned above and because we have a custom textbook.
