Math 001 (4 units) **Precalculus Algebra** **Fall 2018**
74890 **T Th 8:30 am 10:35 am** **CIL 135**

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Course Information Requirements and Technical Details

Math 106 or Math 106R or qualifying score on placement test and proof of Algebra II

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Materials:

Solve systems of equations and inequalities.

Analyze conics algebraically and graphically.

Use formulas to find sums of finite and infinite series.

Apply functions and other algebraic techniques to model real world STEM applications.

Solve applications problems involving functions, polynomials, systems of linear equations, conic sections, sequences, and Series.

: The following topics will be covered.

- Equations: including Equations that contain complex solutions.
  - a. Linear equations
  - b. Polynomial equations
  - c. Rational equations
  - d. Radical equations
  - e. Absolute value equations
  - f. Exponential equations
  - g. Logarithmic equations
- Inequalities
  - a. Linear inequalities
  - b. Absolute value inequalities
  - c. Quadratic inequalities
  - d. Polynomial inequalities
  - e. Rational inequalities
- Functions: Particular emphasis on linear, polynomial, rational, radical, exponential, absolute value, logarithmic, and piecewise functions
  - a. Definition of a function
  - b. Evaluating a function
  - c. Domain and range of a function
  - d. Average rate of change of a function

Add/Drop Policy:

Last day to drop a class wit /09/18
Last da /18

Cheating Policy

student’s exam or allowing another student to look at your exam or copying

Emergency Procedures

Evacuation:

Syllabus Disclaimer Statement

student’s responsibility to stay informed of these changes. Students may contact

Smoking Policy:

No Butts About It!

WVM Alert:

Please sign
up