COLLIN COLLEGE

COURSE SYLLABUS

Course Information

Course Number: MATH 2412

Course Title: Pre-Calculus Math

Course Description: In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Graphing calculator required. Lab required.

Course Credit Hours: 3
Lecture Hours: 3
Lab Hours: 2

Prerequisite: MATH 1314 or the equivalent preparation

Student Learning Outcomes:

- **State-mandated Outcomes:** Upon successful completion of this course, students will:
  1. Demonstrate and apply knowledge of properties of functions. (Communication Skills)
  2. Recognize and apply algebraic and transcendental functions and solve related equations. (Empirical/Quantitative Skills)
  3. Apply graphing techniques to algebraic and transcendental functions. (Critical Thinking)
  4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians. (Empirical/Quantitative Skills)
  5. Prove trigonometric identities. (Critical Thinking, Communication Skills)
  6. Solve right and oblique triangles. (Empirical/Quantitative Skills)

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook.*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.