



Syllabus

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Tips for Success

If you're new to online courses, or if you just need a quick refresher, be sure to take a look at the Student and Parent Handbook.

Prerequisites

Eighth-grade math part 1 (MATH 035), or its eighth-grade equivalent.

Course Learning Outcomes

After you have successfully completed this course, you should be able to do the following:

- Simplify roots and solve equations with roots; use radicals in the Pythagorean theorem to analyze triangles and the distance between points.
- Evaluate the relationship between angles and find the measure of angles formed by a transversal and polygons.
- Use different transformations to move figures on a coordinate plane.
- Determine if figures are similar or congruent using transformations and informal arguments.
- Find the volume and missing measures of cylinders, cones, hemispheres, spheres, and composite figures.
- Construct and interpret two-way tables, including their relative frequencies; construct and interpret scatter plots and lines of best fit (trend lines) and then make predictions using the information.

Course Materials

Textbook

McGraw-Hill. *Glencoe Math, Your Common Core Edition*. Course 3, vol. 2. 1st ed. Columbus, OH: McGraw-Hill, 2013. (ISBN: 978-0-07-661904-7).

Calculator

Texas Instruments Explorer 30 (TI-30) or other graphing calculator with similar capabilities; this is the same calculator used in MATH 035.

Assignments

You will complete these assignments during the course.

Self Checks

Complete all Self Check questions at the end of each lesson. Although these are not graded, it is essential that you practice the skills you will be learning.

Unit Reviews

Complete the reviews at the end of each unit. You can consider these assignments practice quizzes that will help you to make sure you are ready to complete the unit quiz.

Unit Quizzes

Complete all six units and the required unit quiz for each.

Exams

You will complete one final exam for this course. The comprehensive final examination consists of multiple-choice questions from the six units. A calculator is allowed as long as no notes are stored in it.

Grading

Your grade in this course will be based on these assignments and exams:

ASSIGNMENT OR EXAM	GRADING	PERCENT OF TOTAL GRADE
6 Unit Quizzes	Computer	60%
1 Final Exam	Computer	40%

Grade Scale

Your letter grade is calculated according to these percentages.

A	100% – 93%
A-	92% – 90%
B+	89% – 87%
B	86% – 83%
B-	82% – 80%
C+	79% – 77%
C	76% – 73%
C-	72% – 70%
D+	69% – 67%
D	66% – 63%
D-	62% – 60%
E (fail)	59% – 0%