

HHS MATH DEPARTMENT

COURSE: ALGEBRA 3 I/II

1040/1041

RIGOR: Accelerated
(Above grade level)

Average
(On grade level)

Essentials
(Core concepts)

Pre-requisites: Algebra 2 Essentials

Note: You may not take this course if you have already completed Pre-Calculus or Honors Pre-Calculus.

Course Description: Students will study a mixture of algebra and trigonometry. With an approach to increase understanding, the course is designed to help prepare students for college level mathematics. Many topics from Algebra 2 well as new topics from pre-calculus are taught in Algebra 3. MathXL, an online application, and graphing calculators are utilized in this course.

Course Syllabus:

Ch 1: Real Numbers

Ch 2: Linear Equations

Ch 3: Graph Linear Equations

Ch 4: Systems of Equations

Ch 5: Exponents

Ch 6: Factoring

Ch 7: Rational Expressions

Ch 8: Roots & Radicals

Ch 9: Quadratic Equations

Ch14: Trig Functions & Angels

Ch15: Trig Functions

Ch16: Radian Measures

Ch17: Graphs of Trig Functions

Ch 20: Law of Sin & Cos

Ch11: Logarithmic Functions

Minnesota Standards to be Mastered:

<http://education.state.mn.us/MDE/dse/stds/Math/>

Expected Homework: Textbook assignments will be worth 4 points and MathXL (online) assignments will be 10 points.

Late Work Policies: Points will be deducted for late assignments

Grade Includes: Chapter Tests and Final (50% of grade); Quizzes (25% of grade); Homework & MathXL (25% of grade)