Catalog Description:
Fractions and decimals, basic algebra, graphing lines, factoring, systems of equations. Credit for this course will not count toward graduation in any degree program.

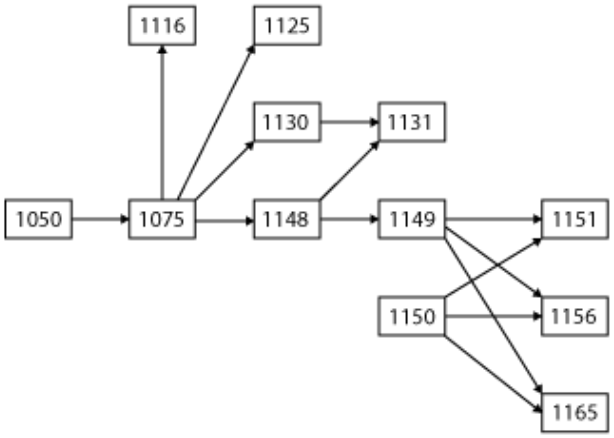
Prerequisite:
Math Placement Level T; or Math 1040 or 40 or 50; or permission of department.

Exclusions:
Not open to students with credit for any Math course above 1050 (050).

Purpose of Course:
Mathematics 1050 is designed to meet the needs of the students entering The Ohio State University at the lowest placement, course code T. This course will prepare students for Math 1075.

Follow-up Course:
Math 1075

Sequencing Chart:



Text:
Beginning Algebra, 8th edition, by Aufmann & Lockwood, Cengage, ISBN: 9781305942653

Topics List:

1.1 Introduction to Integers
1.2 Operations with Integers
1.3 Rational Numbers
App.1 Addition of Fractions using Least Common Denominator
1.4 Exponents and the Order of Operations
1.5 Concepts from Geometry
2.1 Evaluating Variable Expressions
2.2 Simplifying Variable Expressions
2.3 Translating Verbal Expressions into Variable Expressions
3.1 Introduction to Equations
3.2 Applications of Equations of the Form $ax = b$
3.3 General Equations
3.4 Inequalities
Midterm 1
4.1 Translating Sentences into Equations
App.2 Integer, Coins, and Stamps Problems
4.2 Geometry Problems
4.3 Markup and Discount Problems
4.4 Investment Problems
4.5 Mixture Problems
4.6 Uniform Motion Problems
4.7 Inequalities
5.1 The Rectangular Coordinate System
5.2 Graphs of Straight Lines
Midterm 2
5.3 Slopes of Straight Lines
5.4 Equations of Straight Lines
5.6 Graphing Linear Inequalities
6.1 Solving Systems of Linear Equations by Graphing
6.2 Solving Systems of Linear Equations by the Substitution Method
6.3 Solving Systems of Linear Equations by the Addition Method
6.4 Application Problems in Two Variables
7.1 Addition and Subtraction of Polynomials
7.2 Multiplication of Monomials
7.3 Multiplication of Polynomials
7.4 Integer Exponents and Scientific Notation
7.5 Division of Polynomials
Midterm 3
8.1 Common Factors
8.2 Factoring Polynomials of the Form $x^2 + bx + c$
8.3 Factoring Polynomials of the Form $ax^2 + bx + c$
8.4 Special Factoring
8.5 Factoring Polynomials Completely
8.6 Solving Equations
Final