

MATH 96 Intermediate Algebra

Wintermester 2019

Number of Credits

3

Instructor

Matthew Awere Ohemeng

Catalog Description

Basic properties of the real numbers; standard algebraic techniques, including exponents, factoring, fractions, radicals; problem solving; linear and quadratic equations and inequalities; the concept of graphing.

Required Textbooks/Materials

The following texts are required material in this course:

[Introductory & Intermediate Algebra, 6th ed., Lial, Hornsby, McGinnis]

Student Learning Outcomes

Upon successfully completing this course, students will be able to

- solve compound inequalities, absolute value inequalities, and absolute value equations;
- recognize function notation and distinguish functions from relations;
- simplify expressions with integer and rational exponents;
- simplify, add, subtract, multiply, and divide rational expressions and functions;
- solve application problems involving rational equations;
- simplify, add, subtract, multiply, and divide radical expressions and functions;
- add, subtract, and multiply complex numbers;
- solve quadratic equations by factoring, using the square root property, completing the square, and the quadratic formula; and
- solve applications problems involving quadratic equations.

First Week of Materials/Assignments

The following schedule is subject to change:

January 2: Review 5.4 – 6.7

January 3: 7.1, 7.2, 7.3

January 4: 7.4, 7.5, 7.6

January 7: 8.1, 8.2, 8.3

Grade Breakdown

The point distribution for the course is:

Assignment	Percentage
Homework	25
Quizzes	5
Midterm Exam	35
Comprehensive Final Exam	35
<i>Total</i>	<i>100</i>

Grading Policy: Math 96 is a pass/fail (S/U) course. An overall score of 75% or better is required to earn a satisfactory (S) grade. A score below 75% will be considered unsatisfactory (U).