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:


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:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>25</td>
</tr>
<tr>
<td>Quizzes</td>
<td>5</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>35</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>35</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
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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).