**Syllabus - Math 96: Intermediate Algebra**

**[Semester] - Section [Section Number]**

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<tr>
<th>Instructor:</th>
<th>Office:</th>
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<tr>
<td>E-mail:</td>
<td>Office Hours:</td>
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<tr>
<td>Course Website:</td>
<td>Final Exam Time:</td>
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<td><a href="http://www.mymathlab.com">www.mymathlab.com</a></td>
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**Textbook:** *Algebra for College Students, 7th ed.*, Lial, Hornsby, McGinnis; All students are required to purchase access to MyMathLab for this course. Access may be purchased directly through the MyMathLab website. Or, an access kit may be purchased from the UNR bookstore. The access kit includes an access code for MyMathLab and the textbook. You may also purchase the UNR CD Access Kit and Textbook from the bookstore.

**Course 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. Credit does not apply to any baccalaureate degree program.

**Prerequisite:** ACT score of 19 or SAT score of 470 or an Accuplacer score of EA 76 or a satisfactory (S) grade in UNR’s Math 95.

**Course Objectives and Student Learning Outcomes** Students who successfully complete this course will be able to:

- Solve compound inequalities, absolute value inequalities, and absolute value equations.
- Solve and graph linear equations and inequalities in two variables.
- Write equations of lines in two variables in slope-intercept and standard form given limited information.
- Recognize function notation and distinguish functions from relations.
- Add, subtract, multiply, divide, compose, and factor linear and polynomial expressions and functions.
- 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.
- Solve applications problems involving quadratic equations.
- Solve polynomial and rational inequalities.

**Homework:** Your online homework consists one assignment for each section covered in class (see table below) and is associated with a chapter and section in your online textbook. You may work each problem as many times as you need to get a correct result. To retry a problem, click the “Similar Exercise” button. After every 3 or 4 sections, a Mastery homework will be assigned. However, you must earn a score of at least 75% in each of the previous 3 or 4 sections to open a Mastery homework. The Mastery homework is required and is included in your homework score. You will be limited to two attempts per problem in a Mastery homework assignment and no learning aids will be available to you.

Each assignment begins on the day listed in the schedule (below) and is due 6 days later. A 20% penalty is applied to all late homework. A password will be required to open an assignment that is past due. Unfinished homework may also be completed after the due date. The unfinished part of the homework will be assessed the 20% penalty. Your instructor will provide the password.

The homework category may also include periodic written assignments.

All students are expected to read the textbook sections listed for each day of class in the schedule below before the start of each class.

**Quizzes and In-class Assignments:** Unannounced quizzes may be given in class periodically. In-class work may also be assigned and collected. The scores for classroom work will be recorded in the quiz category of your online grade book.

**Midterm Exams:** There will be three in-class exams. The exams will assess your understanding of the material covered in class. All exams consist of free response problems only. You will need to write complete, justified answers to receive credit for each problem on the tests. You must have your UNR ID with you for all exams. Calculators and notes are NOT allowed during any of the exams. Once the exam begins you will not be allowed leave the room then return, so take care of all personal needs before the exam begins.

**Final Exam:** A comprehensive final exam will be given on **Saturday, December 13th, 2014 – 10:15 am to 12:15 pm.** The exam will consist of free response problems only. The final exam is closed book, closed-notes. Calculators are NOT permitted for use on the final exam.

Exam scores (including the final exam) are **not curved**.

**Exam Make-up Policy:** There will be **no make-up exams** with the exception of documented emergencies or pre-arranged university approved functions. If you know you will miss an exam you must notify your instructor at least 24 hours before the exam. If you will have to reschedule an exam due to a university-approved and documented outing please notify your instructor during the first week of class. Make-up exams are given at the discretion of your instructor and may be refused.
**Attendance:** Attendance is mandatory for success in this class. If you do have to miss a class it is your responsibility to get any notes and assignments you’ve missed from another student in the class. You can also consult the course schedule below to see what you missed in lecture.

**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). Any student receiving a grade of (U), a failing grade, will be required to retake Math 96 before enrolling in any higher math course. All students are required to take the final exam.

**Overall Score Breakdown:**

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<tr>
<th>Gradebook Category</th>
<th>Percentage of Overall Score</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>3 Midterm Exams</td>
<td>45% (15% each)</td>
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<tr>
<td>Comprehensive Final Exam</td>
<td>25%</td>
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**Academic Success Services:** UNR offers the following services:
- Math Center, WRB 1003, (Free, Walk-in Tutoring), 784-4433 or www.unr.edu/mathcenter/
- Tutoring Center, 784-6801 or www.unr.edu/tutoring/
- Private tutoring lists are available in the Math Department Office (DMS 314) and at the Tutoring Center.

These centers support your classroom learning. It is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

**Academic Misconduct Statement:** Work independently on all homework, quizzes, and tests. Behavior inappropriate to test taking and that may disturb other students will be considered cheating. If you are unclear as to what constitutes cheating, please consult with your instructor.

**Disability Statement:** The Department of Mathematics and Statistics supports providing equal access for students with disabilities. Any student with a disability needing academic adjustments or accommodations is requested to speak with me or the Disability Resource Center (Thompson Building Suite 101) as soon as possible to arrange for appropriate accommodations.

**Classroom Recording Statement:** SURREPTITIOUS OR COVERT VIDEOTAPING OF CLASS OR UNAUTHORIZED AUDIO RECORDING OF CLASS IS PROHIBITED BY LAW AND BY BOARD OF REGENTS POLICY. THIS CLASS MAY BE VIDEOTAPED OR AUDIO RECORDED ONLY WITH THE WRITTEN PERMISSION OF THE INSTRUCTOR. IN ORDER TO ACCOMMODATE STUDENTS WITH DISABILITIES, SOME STUDENTS MAY HAVE BEEN GIVEN PERMISSION TO RECORD CLASS LECTURES AND DISCUSSIONS. THEREFORE, STUDENTS SHOULD UNDERSTAND THAT THEIR COMMENTS DURING CLASS MIGHT BE RECORDED.

**Miscellaneous:** Please turn off cell phones, iPhones, notebook computers, etc.... before class. Any behavior that may disrupt the learning environment will not be tolerated. Texting in class will not be tolerated. Please be considerate of your fellow students and instructor. If there are questions about what is disruptive please ask me.

The University of Nevada, Reno has an Emergency Alert system. Visit www.unr.edu/alerts to enroll in this free service.

**Important Dates:**

**General Advice:** Your success in this course depends upon your commitment. Start the homework assignments as soon as possible. Make it a priority to study and do homework every day. Don't wait until the last minute. If you do so, you'll find yourself overwhelmingly behind and unable to complete all of the assignments. You are encouraged to form study groups and work together. REMEMBER: The homework in this course counts as 20% of your grade.

This IS NOT an online course. This IS a traditional course with online homework. You must show up and participate in this course as you would in any other class to be successful.