

**Math 100: Introduction to Algebra**  
**Tues-Thurs 6:00-7:40 PM**  
**Fall 2007 Syllabus**

**Instructor: David Anglen, Ph.D.**  
**Math Lab code: anglen67045**

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**Course Description:** Math 100: Introductory Algebra (4 credits). Introductory algebra to prepare students for algebra at the intermediate level. Prerequisites: A passing grade in Math 099 or a satisfactory score on the Math Placement Test.

**Textbook:** Blitzer. (2007). Introductory Algebra for College Students: Custom Edition for the University of New Mexico Valencia Campus packaged with MyMathLab

**Attendance Policy:** Students are expected to attend all classes and to be on time. Attendance will be taken at the beginning of each class period. Four absences are considered to be excessive and the student may be dropped from class if this occurs at the discretion of the instructor.

**Grading Policy:**

RA	90% -100%	Exams (4)	40%
RB	80% - 89%	Group Projects	10%
RC	72% - 79%	HW and Computer Labs	20%
RCR	Credit 72% - 100%	Final Exam	30%
RNC	No Credit Less than 72%		

**Note: The Final Exam will be given December 11, 2007 from 6:00 to 8:00 PM.**  
**You must receive at least a 60% on the final exam to pass the course.**

**Expectations:** Students are expected to conduct themselves in a professional and collegial manner.

**Electronic Devices in Class:** Cellular telephones, pagers and laptops with wireless connections must be turned off during class. Such devices will be placed out of reach during exams. Students caught using cell phone or other communication devices during an exam will receive a zero for that exam. Students expecting legitimate emergency calls must notify the instructor prior to the beginning of class. Students may make audio recordings for the own use. Students must not distribute such recordings to others. Students may not take photographs or make video recordings during class.

**Disability Statement:** If you have a documented disability, please provide me with a copy of your letter from Equal Access Services as soon as possible to ensure that accommodations are provided in a timely manner.

**UNM's Policy on Dishonesty in Academic Matters:** Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests or assignments, claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University.

**Group & Special Projects:** Most projects will be assigned and completed during regular class hours. Later in the course, some projects may be completed outside class. Groups shall submit a single report for each assignment, signed by all participants.

**Homework:** Homework problems are due one week after the section is completed in class. Late homework will be accepted up to 2 weeks past the due date, but will be subject to a 25% penalty. Partial credit can only be given if work is shown. Students may consult with each other on homework, but must turn in individual papers.

**Exams:** Exams are closed book, however, students may prepare and use on card (3" x 5") of notes during exams. If necessary, tables and charts will be provided. Makeup exams will be made available only if the student contacts the instructor by phone or email before the beginning of the next scheduled class after the missed exam.

**Calculators:** With the exception of Exam 1, students may use a basic scientific calculator on all homework and exams. Students may not use computers or programmable calculators during exams.

**Major Course Objectives:**

- Add, subtract, multiply, and divide positive and negative numbers including fractions and decimals
- Understand and use order of operations
- Solve linear equations in one variable
- Solve word problems that can be solved with only one variable
- Graph  $y = mx + b$
- Graph  $Ax + By = C$
- Understand and use the slope formula
- Manipulate exponents using the Product Rule, Power Rule, Power of a Product Rule, Quotient Rule and Zero Exponent
- Add, subtract, multiply and divide polynomials
- Factor the greatest common factor
- Factor by grouping
- Factor  $ax^2 + bx + c$  where  $a = 1$

Week	Section	Week	Section
1 8/21 – 8/23	1.1 Fractions 1.2 Real Numbers	9 10/16–10/18	4.2 Graphing Linear Equations Using Intercepts 4.3 Slope
2 8/28 – 8/30	1.4 Basic Rules of Algebra 1.5 & 1.6 Addition and Subtraction of Real Numbers	10 10/23 – 10/25	4.4 The Slope-Intercept Form of the Equation of a Line Review Graphing or 4.5 Extra
3 9/4 – 9/6	1.7 Multiplication and Division of Real Numbers 1.8 Exponents and Order of Operations	11 10/30 – 11/1	<b>EXAM 3</b> 6.1 Adding and Subtracting Polynomials 6.2 Multiplying Polynomials
4 9/11 – 9/13	<b>EXAM 1 (No Calculators)</b> 2.1 Addition Property of Equality	12 11/6 – 11/8	6.3 Special Products 6.4 Polynomials in Several Variables
5 9/25 – 9/27	2.2 Multiplication Property of Equality 2.3 Solving Linear Equations	13 11/13 – 11/15	6.5 Dividing Polynomials 6.7 Negative Exponents
6 9/25 – 9/27	2.4 Formulas and Percents 2.5 Introduction to Problem Solving	14 11/13 – 11/15	7.1 The Greatest Common Factor and Grouping <b>11/22 – 11/25 Thanksgiving Holiday</b>
7 10/2 – 10/4	Selected Problems Ch.3 or Review for test <b>EXAM 2</b>	15 11/27 – 11/29	7.2 Factoring Trinomials <b>EXAM 4</b>
8 10/9-10/11	1.3 Ordered Pairs and Graphs 4.1 Graphing Equations in Two Variables Fall Break	16 12/4 – 12/6	Review for Final Exam <b>12/7 Last Day to Drop WITH Approv</b>