

## MATH 100: Introduction to Algebra – Lecture

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CRN/Section	Class Time	Meeting Days	Classroom
18585/501	9:00 pm -12:30 pm	Tuesday and Thursday	A-125

**OFFICE HOURS:** Tuesday and Thursday 3:00-4:00 PM in the Learning Commons or by appointment

**COURSE DESCRIPTION:** Topics include linear equations, polynomials, factoring, formulas, graphing, and application problems and includes a skills laboratory. Prerequisites/placement: Successful completion of Math 099 (RA, RB, RC or RCR) or a minimum pre-algebra COMPASS score of 36, or math ACT score of 16.

### COURSE STUDENT LEARNING OUTCOMES:

Upon successful completion of the course, students will be able to:

1. Add, subtract, multiply, and divide positive and negative numbers, including integers, fractions, and decimals.
2. Use the correct order of operations when simplifying a numerical expression.
3. Solve linear equations in one variable.
4. Solve word problems involving linear equations in one variable.
5. Graph simple linear equations.
6. Calculate the slope of a line between two points.
7. Find the equation of a line from pairs of points or a point and a slope.
8. Simplify expressions with integer exponents.
9. Use Scientific Notation in elementary arithmetic calculations.
10. Add, subtract, multiply, and divide polynomials.
11. Factor simple polynomials.

### COURSE MATERIALS:

- 3-Ring binder (1-1/2 inch or larger), 8 divider tabs, (Binder will be shared with Math 193.)
- Spiral, notebook paper, graph paper
- Pencil, eraser, dry erase marker, 3 X 5 notecards
- Scientific calculator (Calculators on electronic devices are NOT allowed, e.g., phone, IPAD, etc.)

### IMPORTANT DATES:

Last date to drop without a grade: June 16, 2017

Independence Day: July 4, 2017

Last date to drop without approval of Director of Student Affairs: July 21, 2017

**Final Exam: Thursday, July 27, 2017**

### GRADING SCALE:

While you will receive credit toward establishing a full-time load for financial aid purposes for Math 100, this course is NOT accepted to satisfy UNM core degree requirements. Students in this course will receive the following grades:

RA+	98% and above	RC+	78 – 79%
RA	93 – 97%	RC	73 – 77%
RA-	90 – 92%	RC-	70 – 72%
RB+	88 – 89%	RCR	70 – 100%
RB	83 – 87%	RNC	< 70%
RB-	80 – 82%		

## GRADE WEIGHTINGS:

Attendance, Class Participation	20%
Binder	10%
Homework/Worksheets	25%
Quizzes/Tests	15%
Cumulative Final Exam*	30%

\*Students must receive a minimum of 70% on the final exam to pass the course. This is not negotiable.

## COURSE COMPONENTS:

### 1. Attendance/Class Participation (20% of grade)

- You are expected to be on time to each class and stay the entire class, have the necessary course materials on hand, and participate in the lecture and/or group activities to receive full credit for attendance each day.
- If you miss 2 classes you WILL be dropped from the class. You are required to attend class twice a week (Tuesdays and Thursdays).
- I will take attendance at the beginning of class. Class begins promptly at 9:00. You will be marked absent if: (1) you are absent, (2) you are tardy and/or leave early twice, or (3) you are disruptive to the learning environment.
- If absent or tardy, the student must email the instructor. The student bears full responsibility for the material and procedural information covered in class.

### 2. Binder (10% of grade) (Also used in Math 193 – other sections to be specified by Math 193 instructor).

### 3. Homework/Worksheets (25% of grade)

- Homework is assigned every week.
- Worksheets are to be done in the Learning Commons and checked by me or a tutor who will sign the worksheet.
  - If the worksheet is not completed and signed by a tutor you will not get credit! You will get 100% if completed and checked, or 0.

### 4. Quizzes/Tests (15% of grade)

Several quizzes will be assigned during the term. Students are expected to show their work clearly in the supporting documentation for the quizzes. The Mid-Term will be a paper/pencil test where students are expected to show all work to get full credit. A 3" X 5" note card (both sides) will be allowed to be used on quizzes and tests.

You are allowed to make corrections to quizzes to improve the grade. In order to earn back up to half the points missed, corrections need to be made on a separate sheet of paper. The correction paper is vertically divided in half: The problem must be reworked on the LEFT side of the paper, and the RIGHT side must contain your verbal explanation of what was done incorrectly on the quiz for that particular problem.

### 5. Final Exam (30% of grade)

- The final exam is a MANDATORY cumulative written exam taken on Thursday, July 27.
- An instructor pre-approved 3" X 5" note card (both sides) with only formulas will be allowed.
- A scientific calculator, which is NOT a graphing calculator, will be allowed.
- No cell phones or Internet devices will be permitted to be used or out during the exam.
- **You MUST PASS this exam with 70% or higher to pass this course.**
- Final review and practice problems will be made available before the final exam.

**SUPPORT SERVICES:** Learning Commons tutors are available Monday through Thursday from 8 to 5, and closed on Fridays (925-8907). There are also open computer labs on campus for students' use. The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials.

**I will also be available in the Math Center on Tuesdays and Thursdays for office hours.**

**EXPECTATIONS:** Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be set on silent. Please step into the hall if you need to take a call during class in higher level emergency cases. Cell phones must be turned off and out of sight during class. No food or drink is allowed in the computer labs.

**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. The Equal Access Office can be reached at 925-8510.

**UNM'S POLICY ON GENDER DISCRIMINATION:** In an effort to meet obligations under Title IX, UNM Faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see p 15- <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity ([oeo.unm.edu](http://oeo.unm.edu)). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policy.unm.edu/university-policies/2---/2740.html>.

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