MATH 100: Introduction to Algebra – Lecture/MML

Instructor: Sarah Garde **Email: sgarde@unm.edu**
Office: LRC-172 **Phone: 925-8907**

Section/CRN	Class Time	Meeting Days	Location	MML Course Code
501/18585	9:00 AM – 12:30 PM	Tue, Thu	**A-125/H-103**	**garde73735**

OFFICE HOURS: **Monday - Thursday** 8:00 – 8:45 AM
Other times 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:

- **MyMathLab (MML) Student Access Code: The code is available for purchase in the bookstore or online at http://www.mymathlab.com/ You must register for MML by the beginning of the 2nd week of classes or risk being dropped from the course.**
- **3-Ring binder (1-1/2 inch or larger), 10 divider tabs, (Binder will be shared with Math 193.)**
- **Spiral, notebook paper, graph paper**
- **Pencil, eraser, dry erase marker, 3 X 5 notecards**
- **Ear phones and MyMathLab access information**
- **Scientific calculator (Calculators on electronic devices are NOT allowed, e.g., phone, IPAD, etc.)**

IMPORTANT DATES with respect to this class:

Last date to drop without a grade: Friday, June 12, 2015
Independence Day Holiday: Friday, July 3, 2014
Last date to drop without approval from Director of Student Affairs: Friday, July 24, 2015
Final Exam: Thursday, July 23, 2015

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

GRADE WEIGHTINGS:

Attendance, Class Participation	**20%**
Binder	**10%**
Homework/Labs	**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).
   - The attendance sheet will only be available BEFORE 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)**
   - *Section 1: Syllabus/Planning.* This will include course syllabus, Summer School Calendar/Planner, assignment log, attendance log, and other materials used for planning/organizing purposes.
   - *Section 2: Math 100 Notes.* This will include Problems of the Day, lecture notes and any supplementary notes given. All pages must be labeled with the date, unit, chapter, topic and lesson. The student must take meaningful notes during the instruction portions of the class. Students without notes will be told to revisit the lesson before assistance will be provided.
   - *Section 3: Course Work.* This will include MML Homework, as well as any labs or other work done during class. Assignments will be labeled with the date, unit, chapter, topic and lesson. Problems must be worked in a neat, orderly manner in the notebook in the appropriate section of the binder.
   - *Section 4: Tests/Quizzes.* This will include both practice and actual tests/quizzes, as well as any corrections done to them. Problems must be worked in a neat, orderly manner on tests and quizzes.
   - *Section 5: Reference.* This includes definitions of terms introduced during lecture or in MML, formulas, summary of key concepts, note cards prepared for tests and quizzes, progress reports, etc.
   - *Other Sections (to be specified in Math 193).*

3. **Homework/Labs (25% of grade)**
   - Homework is assigned every week. Weekly assignments in MML must be completed not later than 7 pm on Monday of the next week for full credit. A 10% penalty will be incurred if your homework is late. You will be able to go back to improve your grade after the due date. You must earn at least 80% on each homework assignment to pass the class.
   - Labs not contained in MML will be due no later than the following Tuesday.

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 MANDANTORY cumulative written exam taken on Thursday, July 23.
- 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: Highway to Success tutors are available M-Th from 8 to 5, and Fridays 8 to 1. TRiO also offers tutoring at no cost to the student if you are part of that program. The online tutor, Ryan Baltunis, can be reached at 925-8553 or found in LRC 118. There are also open computer labs on campus for student use. The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials.

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. Cell phones must be turned off during exams. ABSOLUTELY NO FOOD OR DRINK is allowed in the 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 ACADEMIC HONESTY: 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.

Tentative Schedule– Math 100 – SS2015

Course: Math 100 Sec 501 TTh 9:00 – 12:30 (CRN: 18585) Instructor: S. Garde

Week Dates	Learning Objective(s)	Blitzer (6th Edition)	Assign Due Date	Quizzes/ Final
1 Jun 1-6	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.	L1.1 Intro to Algebra L1.2 Fractions L1.3 The Real Numbers L1.4 Basic Rules of Algebra L1.5 Addition of Real Numbers L1.6 Subtraction of Real Numbers L1.7 Mult & Div of Real Numbers L1.8 Exponents and Order of Operations	MML (6/08)	
2 Jun 7-13	3. Solve linear equations in one variable.	L2.1 Add Prop of Equality L2.2 Mult Prop of Equality L2.3 Solve Linear Equations L2.4 Formulas and Percents	MML (06/15) Handout (06/17)	Quiz #1 on 6/11 (L1.1-L2.2)
3 Jun 14-20	4. Solve word problems involving linear equations in one variable.	L2.5 Intro to Problem Solving L2.6 Prob Solve in Geometry L4.4 Mixture/Motion Problems (Modified to one variable)	MML (06/23) Handout (06/25)	
4 Jun 21-27	5. Graph simple linear equations. 6. Calculate the slope of a line between two points.	L3.1 Graphing Linear Equations in Two Variables L3.2 Graphing Linear Equations Using Intercepts L3.3 Slope (incl. parallel & perp)	MML (06/30) Handout (07/02)	Quiz #2 (Mid-Term) on 6/25 (L2.3 – Mixture/Motion Problems)
5 Jun 28- Jul 4	7. Find the equation of a line from pairs of points or a point and a slope.	L3.4 Slope-Intercept L3.5 Point-Slope & Modeling	MML (07/07) Handout (07/09)	
6 Jul 5-11	8. Simplify expressions with integer exponents. 9. Use Scientific Notation in elementary arithmetic calculations. 10. Add, subtract, multiply, and divide polynomials.	L5.7 Negative Exponents and Scientific Notation ⇩ L5.1 Add/Subtract Polynomials L5.2 Multiply Polynomials L5.3 Special Products L5.4 Polynomials in Several Variables L5.5 Dividing Polynomials	MML (07/14) Handout (07/16)	Quiz #3 on 7/09 (L3.1-L3.5)
7 Jul 12-18	11. Factor simple polynomials.	L6.1 GCF/Factoring by Grouping L6.2 Factoring Trinomials LC=1 L6.3 Factoring Trinomials LC >1 L6.4 Factoring Special Forms L6.5 General Factoring Strategy	MML (07/20) Mock Final (07/17)	Quiz #4 on 7/16 (Ch 5)
8 Jul 19-23		Cumulative Review		Final on 7/24 (Cumulative)