MATH 100: Introduction to Algebra – Spring 2017, Section 502

Instructor: Cheryl Black **Email:** cblack02@unm.edu
Phone: 505-264-0766 (cell) 11:30am - 10:00pm Wed, Fri & Sat. only
Office: Academic Building, room 103, cubicle 12, phone: 925-8600
Office Hours: Office Hours: T/Th 11:00 – 11:30am (Math Center), or 2:45 - 3:10 pm (room C-108), Additional office hours by appointment
Class Time & Location: Tuesdays & Thursdays, 1:30 - 3:10 pm, Room C-108:
Class Designators: CRN – 33663, section – 502
MML Course Code: black05815

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 or Math 011 & Math 012 (RA, RB, or RCR) or a minimum pre-algebra COMPASS score of 36, or math ACT score of 16.

COURSE STUDENT LEARNING OUTCOMES (LO):
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:

- **My Math Lab (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" or larger) Keep syllabus, handouts, worksheets, notes, etc.
- Loose leaf paper or spiral notebooks
- Pencils and erasers or pens
- Calculator (Graphing Calculators are NOT ALLOWED)
- Colored highlighters (at your discretion)
- Index cards (at your discretion)

GRADING SCALE:

Grade
RA 90 – 99+%
RB 80 - 89%
RCR Credit 70
RNC No Credit < 70%

Course Components	
Attendance & Participation	15%
Worksheets & Slide Problems	20%
Homework	20%
Quizzes & Tests	15%
Written Final Exam*	30%

***You must receive at least a 70% on the written final to pass the course. This is not negotiable.**

SYLLABUS: MATH 100 – Introduction to Algebra – Spring 2017, cont'd

IMPORTANT DATES:
Last date to drop without a grade (with refund): Friday, February 3, 2017
Spring Break: Monday thru Friday, March 13-17, 2017
Last date to drop without approval of Director of Student Affairs: Friday, April 14, 2017
Last day to drop with approval of the dean (or to change grading options): May 5, 2017
Final Exam: Tuesday, May 9, 2017, room C-108, 1:30-5:00pm

COURSE COMPONENTS:

Attendance & Participation: 15% of your grade
The student must be on-time and remain for the entire class session, have the necessary course materials on hand and participate in the lecture &/or group activities to receive full credit for attendance each day. If a student misses 2 classes in the first two weeks, or 3 consecutive class periods, or 4 total, the student may be dropped from the class. Viewing or using a cell phone during class, viewing ANY internet content during class (unless directed by the instructor), or if you are disruptive to the learning environment, you may be counted absent. Each unexcused absence will reduce the attendance grade. If absent, the student must see the instructor in person, contact her by email or leave a phone message within 24 hours, to change an unexcused absence to an excused absence. This change is at the discretion of the instructor, and will only be granted if the student has an unavoidable and legitimate reason for missing the class, and makes up the class time with a tutor. Independent verification may be required. Lab attendance is also mandatory, each week at the appointed time and place. Missing part or all of a scheduled lab counts as a class absence. The student bears full responsibility for the material and procedural information covered in class.

Worksheets, Slide Problems & other assignments: 20% of your grad
Keep these in a section of your 3-ring binder. Assignments will be given each week, either worksheets, slide problems or other assignments (e.g. continuation of lab problems). These will be due the next class period (unless otherwise indicated). Late assignments will not be accepted.

Homework: 20% of your grade
My Math Lab (MML) practice. These assignments will be due the next class period after assignment, unless otherwise indicated. You will be able to go back to improve your grade on the MML assignments after the due date. You must earn at least 80% on each MML homework assignment to pass the class.

Quizzes & Tests: 15% of your grade.
Quizzes will be assigned periodically, and written in-class tests will be given once a month. Failure to complete a quiz on time, or if the student misses an in-class test, without pre-arrangement with instructor, will not be allowed a "make-up quiz/test". However, you may earn extra credit by working "Study Plan" problems in MML, to offset any missing or poor quiz/test grades.

Written Final Exam**:** 30% of your grade.
Final Exam The final exam will be an in-class, closed book, closed note, written exam covering all of the course objectives. A scientific calculator, which is not a graphing calculator, will be allowed. No cell phones or Internet devices will be permitted to be out during the exam. ***The final must be passed with a minimum score of 70% in order to pass Math 100***. Final review and practice problems will be made available (with answers) before the final.

SUPPORT SERVICES: The Learning Commons tutors are available Monday through Thursday from 8 am to 7 **pm, and** Fridays **from 8 am to 2 pm (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.

EXPECTATIONS: Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be set on silent. Cell phones must be turned off and be kept out of sight during exams. Only water (kept in a closed container) is allowed in the lab and classroom.

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.

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. 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). For more information on the campus policy regarding sexual misconduct.

Week Dates	Learning Objective(s)	Blitzer (6th Edition)	Assignments Due Date	Testing
1 1/16-1/20	LO1. Add, subtract, multiply, and divide positive and negative numbers, including integers, fractions, and decimals.	LI.1Intro to Algebra LI.2 Fractions LI.3 The Real Numbers LI.4 Basic Rules of Algebra		
2 1/23-1/27	LO2. Use the correct order of Operations when simplifying a numerical expression.	LI.5 Addition of Real Numbers LI.6 Subtraction of Real Numbers LI.7 Mult & Div of Real Numbers		
3 1/30-2/3	LO3.Solve linear equations in one variable.	L2.1 Add Prop of Equality L2.2 Mult Prop of Equality Practice Test #1		
4 2/6-2/10		L2.3 Solve Linear Equations L2.4 Formulas and Percents		
5 2/13-2/17	LO3. Solve word problems involving linear equations in one variable.	L2.5 Intro to Problem Solving L2.6 Geometry Problem Solving		
6 2/20-2/24	LO4. Solve word problems involving linear equations in one variable	L4.4 Mixture/Motion Problems (Modified to one variable)		
7 2/27-3/3	LO5. Graph simple linear equations.	L3.1 Graphing Linear Equations in Two Variables L3.2 Graphing Linear Equations Using Intercepts		
8 3/6-3/10	LO6. Calculate the slope of a line between two points.	L3.3 Slope (incl. parallel & perpendicular)	***Midterm***	
9 3/13-3/19	***Spring Break***			

Week Dates	Learning Objective(s)	Blitzer (6th Edition)	Due Date	Tests/ Final
10 3/20-3/24	LO7. 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		
11 3/27-3/31	LO8/9. Add, Subtract, Multiply, and Divide Polynomials	L.5.1 Add/Subtract L.5.2 Multiply L.5.3 Special Products		
12 4/3-4/7	LO8/9. Add, Subtract, Multiply, and Divide Polynomials	L.5.4 Polynomials in several variables L.5.5 Dividing		
13 4/10-4/14	LO9/10. Simplify expressions with integer exponents. Use Scientific Notation in elementary arithmetic calculations.	L5.7 Negative Exponents and Scientific Notation		
14 4/17-4/21	LO11. Factoring Polynomials	L.6.1 GCF/Factor by Grouping L.6.2 Factor Trinomials LC=1 L.6.3 Factor Trinomials LC>1		
15 4/24-4/28	LO11. Factoring Polynomials	L.6.4 Factor special forms L.6.5 General Factoring Strategy		
16 5/1-5/5	Wrap up Course Topics. Review for Final			
Final Exam			***Final***	Tuesday, May 9, 2017, 1:30-5:00 pm Room C-108