MATH 121-503 -- Tuesday & Thursday 9:00 - 10:15 AM in A124

Instructor: Dr. Eva Rivera Lebrón
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Office: A-123
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MyMathLab Course Code: rivera04715

Office Hours: STEM Center: MW 9:00 am – 10:00 am, TTh 12:00 pm – 1:00 pm
A-123: MW 1:30 am – 2:30 pm, TTh 8:30 am – 9:00 am
or by appointment

COURSE DESCRIPTION:

Prerequisite: ACT=>22 or SAT=>510 or MATH 120 or Compass Algebra >54 or College Algebra >33.

REQUIRED MATERIALS:
- **Textbook:** *College Algebra* New Mexico Edition (similar to 9th edition), by Michael Sullivan
- **Pearson (MyMathLab) Student Access Code:** This code will provide you access to all of the online materials for the course, including homework assignments and quizzes that will be required for the course. If you purchased a new book at the bookstore, it should have come with a MyMathLab kit that includes your access code. If you did not purchase a new book, then you can purchase a code directly from the website, [www.coursecompass.com](http://www.coursecompass.com).
- **Notebook, pencil, highlighter, notecards, calculator.**
- **Calculator:** A scientific calculator will be desired. Students may use a calculator for quizzes and exams. No graphing calculators and/or phones will be allowed on any exams or quizzes, unless otherwise announced. **Students cannot use their phone as a calculator during a quiz or exam AND students cannot share a calculator.**

Grading Scale (Note: + and – of grades are possible but only if of benefit to the student)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
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<tr>
<td>B</td>
<td>80 – 89%</td>
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<tr>
<td>C</td>
<td>70–79%</td>
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<tr>
<td>D</td>
<td>60–69%</td>
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<tr>
<td>F</td>
<td>&lt; 59%</td>
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- **Attendance and Class Participation** 10%
- **Weekly Tutor Paper** 10%
- **MML Homework** 10%
- **Journal** 10%
- **Unit Exams** 30%
- **Cumulative Final Exam*** 30%

*You must receive at least a 70% on the final and have a 72% overall course average to pass the course. This is not negotiable.*
IMPORTANT DATES with respect to this class:

First Exam: Thursday, September 3, 2015 covering review material.

- Last date to drop without a grade: Friday, September 4, 2015
- Fall Break: Thursday & Friday, October 8-9, 2015
- Thanksgiving Break: Thursday & Friday, November 26-27, 2015
- Final Exam: 8:30-10:30 AM Tuesday, December 8, 2015 in A124

ATTENDANCE POLICY: If a student misses 2 classes in the first two weeks or 3 consecutive class periods or 5 total, the student may be dropped from the class. Each absence will result in a 5% reduction in the Attendance & Participation grade. The student bears full responsibility for the material and procedural information covered in class.

THE COURSE: Homework, Tutor Paper, Journal and Unit Exam: We will cover nearly the entire book. Please note that the book and MML are not perfectly aligned.

You must register for MML by Friday, August 21, 2015 and complete each of the “Things I should remember” Review assignments to a grade of at least 80% by midnight on Wednesday, September 2, 2015 or risk being dropped from the course.

- **Homework (10%)**: Homework assignments are done and graded on MyMathLab. You should expect to spend 6-9 hours in addition to the lectures each week to study for this course and complete the homework assignments. The due date of each homework assignment is specified on MyMathLab. Please check there for homework after each class, note the due dates and allow ample time for completion. This class moves quickly. At least one new topic will be covered and a new homework assignment will be assigned every class. **NOTICE**: Written homework assignments might be given/assigned in class. However, these will not be collected, unless notified by the instructor.

- **STEM Center Tutor Paper (10%)**: Each week, starting with the first week of class, there will be a Pink Tutor Paper at the STEM Center. This paper are worth 10% of the grade. They will be available from STEM Center’s opening time Monday until closing time Friday. These papers will help you practice and reinforce what have been covered in class, and sometimes it will also give you a preview of what is coming up in the following week.

- **Journal (10%)**: You are required to have a bound composition book of at least 75 pages for this semester long journal. A list of math terms or concepts commonly used in class will be posted on Blackboard. This terms/concepts will be separated by tests. For example: The first list of terms/concepts will be about the material that will be covered in test #1. For each term/concept, you must define each term in your own words and provide at least one example. When working on your journal, be creative, but be precise, and **organized**. The journal must be clear to read and follow. Each journal must include a table of content. The journal will be collected on every test day for check-up and grading.

- **Unit Exams (30%)**: There will be at least three unit exams. A 3x5 notecard and a calculator will be allowed for the unit exam.

- **Retakes**: I will give make up unit exams to anyone that would like to retake it or if you missed the exam for any reason, given that you complete the “Work Analysis” page for every problem that you miss on the test
or for the whole test if you miss the test, and have 90% or more on the Optional Review for the test posted on MML. Retakes (Make-ups) must be taken until to a week after the test is returned. For example: If the test is given Monday and I returned the graded test on Wednesday, you will have until the next Wednesday to retake the test. **NOTICE:** A calculator will be allowed for the retake. A 3x5 notecard will **not** be allowed on the retake.

- **Practice Tests:** Optional (but highly recommended). They will appear in Blackboard Learn as exams approach, there will also be an optional practice test in MML.

**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.

**UNM’S POLICY ON HONESTY 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.

**SUPPORT SERVICES:** The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audiotapes and videotapes are available for student use through the library. The STEM Center offers tutoring at no cost to the student. For best results, schedule appointments for tutoring at (505) 925-8515. The Learning Center (925-8907) and TRiO also offer tutoring at no cost to the student. The online tutor, Ryan Baltunis, can be reached at 925-8553 or found in LRC 118. Students who miss tutoring appointments may be denied future appointments.

**UNM EMAIL/BLACK BOARD LEARN ACCESS:** Beginning Fall 2015 semester, all UNM-Valencia students will need a UNM Net ID which can be created by going to: [http://it.unm.edu/accounts/](http://it.unm.edu/accounts/). UNM Net ID will give you access to the computer labs on campus, blackboard learn and UNM Email.

**COMPUTER LAB RESPONSIBILITY:** Please be advised that use of computer labs on UNM properties is governed by “Policy 2500: Acceptable Computer Use” which can be found at [http://policy.unm.edu/university-policies/2000/2500.html](http://policy.unm.edu/university-policies/2000/2500.html). Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

**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.

**MATH 107:** You are strongly recommended to enroll into MATH 107, which is a one credit hour class that offers extra help and practice to students taking MATH 121.
Student Learning Outcomes and General Competencies
Math 121 – University of New Mexico

Competency 1: Communication: Students will use proper mathematical notation and terminology to communicate mathematical phrases.
SLO 1: Students will use correct mathematical notation and terminology and illustrate that they can read and interpret graphical representations of information.
SLO 2: Students will be able to verbalize the steps needed to solve a problem and show that they can read a mathematical text.

Competency 2: Solve various kinds of equations: Students will solve a variety of equations from linear, polynomial, rational through to exponential and logarithmic.
SLO 1: Students will be able to solve linear equations and systems of two linear equations.
SLO 2: Students will be able to solve polynomial equations including quadratics and factorable higher order equations.
SLO 3: Students will be able to solve rational equations by identifying least common multiple for simplification of the equation and by identifying extraneous solutions to the original equation.
SLO 4: Students will be able to solve radical equations using inverse properties of exponents.

Competency 3: Working with functions: Students will demonstrate an understanding of the various families of functions.
SLO 1: Students will identify the domain and range for a given function
SLO 2: Students will be able to find the function value for a given domain value, and be able to determine domain values for which a given function value occurs.
SLO 3: Students will be able to create a composite function given two or more functions and decompose a given function into its basic parts.
SLO 4: Students will be able to recognize whether a given function is from the polynomial, rational, radical, exponential, or logarithmic family

Competency 4: Working with graphs: Students will demonstrate the connection between algebraic functions and their graphs on the Cartesian plane
SLO 1: Students will identify slope as a rate of change within the context of a given word problem, expressing in their own words what the slope represents for that specific situation.
SLO 2: Students will be able to construct appropriate equations to model a situation presented to them through a word problem and extract information from a word problem in such a way that allows them to identify the general behavior of the data through graphing.

Competency 5: Modeling and solving applied problems: Students will construct mathematical models which reflect real world scenarios. They will identify the information given and find the requested information.