

Instructor: Precious Andrew

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CRN: 51407

Class Meets: TR 12-1:15 VC Arts & Sciences 140

MyMathLab: Access your online homework by clicking the Redshelf Course Materials link in Canvas. MyMathLab course ID: andrew60557

Office Hours/Study Sessions (**feel free to stop by!**): Tuesdays and Thursdays 1:15-3:00 in-person at Valencia Campus, Room Arts and Sciences 123 (A123). Online via Zoom (See hours in Canvas) or by appointment.

MECS Division Chair: Ariel Ramirez, aramirez8@unm.edu

Course Description:

This course is a study of linear and quadratics functions, an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. Development of strategies for solving single variable equations and contextual problems. (3 Credit Hours).

Textbook: Ebook in Redshelf - Developmental Mathematics, 2nd Edition, Sullivan, Struve, Mazzarella.

MyMathLab (MML) access code required. The code is book specific.

Calculator: You may use a 4-function basic calculator (**not a scientific or graphing calculator**) for assignments and exams.

Pre/Corequisites: Appropriate placement score or a grade of C or better in Math 100 or Math 022 or FYEX 1010 or ISM 100 or ACT Math =>18 or SAT Math Section =>490 or ACCUPLACER Next-Generation Advanced Algebra and Functions =>228, or QRAS=>248, or Arithmetic=>285 or LCPMAS score 4-5. Check with your adviser to make sure you meet the requirements.

Grades: Your grade will be based on the following allocation of points.

Attendance/Participation/Quizzes	10%
Written Assignments	
Project/Task Portion	20%
Written HW Portion	20%
MyMathLab Online Homework	15%
Two Exams	15%
Final Exam	20%
Total	100%

***You must score at least a 70% on the final exam and have a course average of 70% or better to earn a passing grade in the course.**

How Grades Are Determined:

Depending on the grading option you have chosen, your final course letter grade will be determined as shown:

A+: 97-100%	A: 93-96%	A-: 90-92%	B+: 87-89%	B: 83-86%	B-: 80-82%
C+: 77-79%	C: 73-76%	C-: 70-72%	NC: Any score on the final and less than 70% course weighted average OR less than 70% on the final exam and any course average		

Course Format:

1 - We will be meeting in-person at UNM Valencia Campus. Class meets Tuesday and Thursday 12-1:45 in Arts & Sciences 140. You should take neat and clear notes on the examples I present in class. Keep your notes organized in a notebook where you can easily access them.

2 – You will submit written homework projects about once per week. You need to print out the homework packets and fill them in. These must be organized and labeled, all work and steps must be shown, and must be presented consecutively, clearly, and legibly. I will be grading the written work for the correct answer, all steps, and for neatness and legibility. **Due dates will be given in class.**

3 - You will submit online homework through MyMathLab. Access your online homework by clicking the Redshelf Course Materials link in Canvas and navigating to MyMathLab. The due dates are listed in the program and you are responsible for keeping up with these. The course id is **andrew60557**.

4. You will take two tests and a cumulative final exam. These are written tests you'll take in class. You may use only a basic, 4-function calculator. See the schedule for tentative exam dates.

Late work is generally not accepted. Contact me asap with any issues, that way we can try to resolve the problem before the assignment is due.

MATH 1215 COURSE STUDENT LEARNING OUTCOMES:

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

- A. Demonstrate appropriate use of basic function language and notation.
 1. Communicate or present mathematical concepts using correct mathematical notation and terminology.
 2. Correctly use function notation and vocabulary related to functions.
 3. Determine function values for given domain values and determine domain values for given function values.
 4. Determine domains for specific functions.
- B. Convert between equivalent forms of algebraic expressions.
 1. Simplify expressions using properties of exponents.
 2. Add, subtract, and multiply polynomials.
 3. Rewrite line equations in different forms (slope-intercept, point-slope, standard)
 4. Factor some types of polynomials.
 5. Simplify radical expressions.
 6. Simplify rational expressions.
 7. Rewrite exponential functions in logarithmic form and vice versa.
- C. Solve single-variable equations of the types listed above.
 1. Solve for a single variable in a proportion.
 2. Solve for a single variable in a linear equation.
 3. Solve for a specified variable in a formula.
 4. Solve quadratic equations using factoring, quadratic formula, and the square root method.
 5. Solve equations containing rational expressions.
 6. Solve equations containing radical expressions.
 7. Solve absolute value equations in one variable.
 8. Solve exponential and logarithmic equations using equating bases.
- D. Interpret and communicate algebraic solutions graphically and numerically.
 1. Determine equations for lines in the three forms – slope-intercept and point-slope.
 2. Sketch the graphs of linear functions.
 3. Interpret slope in relation to variable coefficients and as a rate of change.
 4. Graph linear inequalities in one variable on a number line and write corresponding interval notation.
 5. Determine when linear equations represent parallel and perpendicular lines.
 6. Sketch graphs of quadratic functions.
- E. Demonstrate contextual problem-solving skills that include setting up and solving problems and interpreting solutions in context.
 1. Determine linear equations from application problems and solve.
 2. Set up a linear proportion from an application problem and solve.
 3. Analyze solutions to application problems and give them contextual meaning.
 4. Determine the three types of outcomes from a system of linear equations in the context of what the graphs look like (terminology about consistent/inconsistent or dependent/independent not emphasized)
 5. Determine a system of linear equations from an application problem and solve if possible.
- F. Apply appropriate problem-solving methods from among algebraic, graphical, and numerical.
 1. Perform unit conversions.
 2. Solve linear inequalities in one variable.
 3. Simplify expressions written in scientific notation.
 4. Simplify multiplication and division problems using scientific notation.
 5. Apply solution methods learned to application problems.
 6. Solve systems of two linear equations graphically and algebraically.
 7. Solve problems including percent
 8. Perform operations with radical expressions.
 9. Perform operations with rational expressions.
 10. Solve absolute value inequalities in one variable.

Completing Math 1215 meets the prerequisites for Math 1130, Math 1350, Math 1220, and some science classes.

Other Requirements:

- Reliable access to a computer or tablet, and Internet. A computer (laptop or desktop) is recommended. Preferred browsers are Chrome, Firefox, or Safari. The preferred operating systems are Windows or Apple.
- Administrative rights to download free software or plug-ins or add-ons on the computer you plan to use for this course. The first time you log in to the MyMathLab (MML) homepage, run the Installation Wizard to ensure you have all the appropriate software installed. Also, make sure you are allowing popups.
- Pearson account. If you have used any of the Pearson My Lab products before, you can use the same account you created the first time you used it. Otherwise, you can create an account when you register in MyMathLab (MML) for this class. Register by going to mymathlab.com.
- Access to UNM Canvas requires use your UNM NetID. You may access it directly via Canvas.unm.edu
- Basic 4-function calculator. It cannot be an app on your cell phone.
- Adobe Reader (a free download), preferably version 11.0 or better.

Here are some of the reasons you may be dropped from the class:

- If you miss the first week of the semester – never log into UNM Learn or communicate with the instructor.
- If you miss more than 3 classes throughout the semester.
- If you are not registered in MyMathLab and completing assignments by the end of the first week.
- If you don't submit 3 or more assignments (in MyMathLab or written)

If you added late, documentation of absences starts the day you registered for the class.

Expectations: Students are expected to conduct themselves in a polite, courteous, professional, and collegial manner. Cell phones must be set on silent and be out of sight during class. No food or drink is allowed in the computer labs.

Time for This Course: Plan to spend a minimum of 9 to 12 hours per week for this class. There is no guarantee you will pass if you dedicate this amount of time, you still need to learn the material and use your time wisely, but those who pass generally are the ones who spend the time needed to do the work to learn the material.

Online Homework in Mymathlab and Written Homework:

- Online homework is assigned in MML with due dates based on the schedule. You will need to complete the assignments in MML by the deadlines listed in the program.
- Written homework/project packets can be found in Canvas and their due dates will be announced in class.

Do not consider any of the grades posted in MyMathLab as representing your actual grade. Because there are written assignments you will be submitting that are not part of the MML gradebook, those grades can be misleading. Use the gradebook in MML only to check your online homework and review what you missed.

Exams and Final:

There will be two exams during the semester that will be written exams given during class. These will correspond to the final exams for Math 1215X and Math 1215Y, respectively. These exams are worth 15% of your overall course grade.

The final is a departmental exam that will test all, or nearly all, of the learning objectives for this course. You will be given a formula sheet for the final, and you can use a **4-function** calculator. You can NOT use your phone for a calculator. You are allowed to take the final only once.

Even if your final answer to a problem is correct, **if there is no work or explanation to support your solution you will NOT receive credit for that question.**

You must score a 70% or better on the Final Exam to earn a passing grade in this class. You must also have a 70% course average to earn a passing grade, but this should not be a problem if you have been completing your work and showing progress. The final exam will be 20% of your overall course grade.

Support: If you are struggling in this course, do not be afraid to ask for help! Here are some options:

- Ask My Instructor: Please use the Ask My Instructor button in MyMathLab. This button is available in the MML homework and sends a message to my email with a link to the question. Do not just send the link, tell me where in the problem you are struggling.
- Office Hours: my office hours listed at the beginning of this syllabus. Feel free to come by my office hours or make an appointment to get help.
- Study Groups: You may work together with other members of the class. However, if there is an assignment that is to be submitted individually, that assignment should be your work, not copies from your group.
- Free Tutoring: The Math Center at Valencia campus has free tutoring available online to help with your course content questions as well as question about using tools. Call (505)925-8907 or send an email to tutor@unm.edu to schedule an appointment.
- Student Services: There are various services provided in our Student Services Department. See below about equal access. Also, we have a testing center, advising, and career placement available: [Valencia Student Services](#)

Accessibility Statement and Accommodations: UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact the UNM-Valencia Equal Access Services, at (505) 925-8910 and/or The Accessibility Resource Center at arcsrvs@unm.edu or by phone at 505-277-3506.

UNM-Valencia Equal Access Services, at (505) 925-8910 and/or Accessibility Resource Center (<https://arc.unm.edu/>) at arcsrvs@unm.edu (505) 277-3506.

Extra Help and Resources: In addition to your instructor's office hours, there is extra help available at:

- The Learning Center - <https://valencia.unm.edu/campus-resources/the-learning-center/index.html>
- UNM Valencia Library - <http://valencia.unm.edu/library/>
- "Life Resources" - <http://valencia.unm.edu/students/student-resources.html>
- Veteran's Resource Center - vr@unm.edu
- PASOS Resource Center (505) 925-8546, <mailto:pasos@unm.edu>. The Resource Center is an on-campus center that serves as a "one-stop" for all non-academic needs of UNM-Valencia students.
- Student Health and Counseling (SHAC) at (505) 277-3136. If you are having active respiratory symptoms (e.g., fever, cough, sore throat, etc.) AND need testing for COVID-19; OR If you recently tested positive and may need oral treatment, call SHAC.
- LoboRESPECT Advocacy Center (505) 277-2911 can offer help with contacting faculty and managing challenges that impact your UNM experience.

Collegial Behavior: Since I assume you are all adults, I will expect respectful adult behavior. Engaging in disruptive or unruly behavior could result in your being asked to leave. At that time, you will be counted absent, and a referral will be sent to the Associate Dean of Student Services. Continuing to behave in this way could result in your being dropped from the course. Disruptive or unruly behavior includes but is not limited to:

- texting or talking on your cell phone at any time during class,
- continually talking with your neighbor when we are not working on a group activity,
- working on homework from another class,
- reading material or watching media on a mobile device not related to this course or at an inappropriate time,
- refusing to participate in the class activities.

Academic Integrity: Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of zero for that assignment. Here is the link to the UNM Academic Dishonesty Policy: <https://policy.unm.edu/regents-policies/section-4/4-8.html>. The policy states:

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, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student 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 is defined as:

"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; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

Title IX Reporting Obligations: Our classroom and our university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment, or violence. Should you ever need assistance or have concerns about incidents that violate this principle, please access the resources available to you on campus. Please note that, because UNM faculty, TAs, and GAs are considered "responsible employees" by the Department of Education, any disclosure of gender discrimination (including sexual harassment, sexual misconduct, and sexual violence) made to a faculty member, TA, or GA must be reported by that faculty member, TA, or GA to the university's Title IX coordinator. For more information on the campus policy regarding sexual misconduct, please see: <https://policy.unm.edu/university-policies/2000/2740.html>.

COVID-19 Health and Awareness: UNM is a mask friendly, but not a mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet UNM's Administrative Mandate on Required COVID-19 vaccination. If you are experiencing COVID-19 symptoms, please do not come to class. If you have a positive COVID-19 test, please stay home for five days and isolate yourself from others, per the Centers for Disease Control (CDC) guidelines. If you do need to stay home, please communicate with me; I can work with you to provide alternatives for course participation and completion. UNM faculty and staff know that these are challenging times. Please let me, an advisor, or another UNM staff member know that you need support so that we can connect you to the right resources. Please be aware that UNM will publish information on websites and email about any changes to our public health status and community response

For military-connected students: There are resources on campus designed to help you succeed. You can approach any faculty or staff for help with any issues you may encounter. Many faculty and staff have completed the GREEN ZONE training to learn about the unique challenges facing military-connected students. If you feel that you need help beyond what faculty and/or staff can give you, please reach out to the Veterans Resource Center on main campus at 505-277-3181, or by email at vinc@unm.edu. The Veterans Coordinator at UNM-Valencia is in the Student Services Office, at 505-925-8560.



Note: The instructor for this class reserves the right to change the syllabus at any point during the semester.

Week of	MATH 1215 Topics	Homework (Do the odd numbered problems).
Jan 16	8.3 8.4 8.6	
Jan 23	8.8 9.1 9.2 9.3	
Jan 30	9.4 9.5 9.6	
Feb 6	10.1 10.2 10.3 Review	
Feb 13	Exam 1 11.1 11.2 11.3	
Feb 20	11.4 11.6 12.1	
Feb 27	12.2 12.3 14.1	
Mar 6	14.2 14.3 14.4 15.1	
Mar 13	Spring Break	
Mar 20	12.6 Review	
Mar 27	Exam 2 16.2 16.5	
Apr 3	13.1 13.2 13.3	
Apr 10	13.5 13.7 14.7	
Apr 17	15.2 15.3 15.4	
April 24	15.8 17.2 17.3	
May 1	Review	
May 8	FINAL EXAM Thursday May 11, 12-2pm	