Math 1215 Intermediate Algebra (Dual Credit) Fall 2026

Instructor: Precious Andrew **Email me with any questions at: pandrew@unm.edu**

Course information, video lessons, and assignments can be found on Canvas.unm.edu.

The course format is simple! You are responsible for the 4 items below:

1 - **You will submit guided notes assignments according to the due dates posted in Canvas.**

> **You need to print out these assignments posted on Canvas.unm.edu and fill them in.**
> **Once you finish each packet, create a pdf file of your work using an app like AdobeScan/Camscanner or a scanner.**
> **Upload your completed written assignments on Canvas.unm.edu before their due dates.**
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> 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.
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> **Due dates are shown on Canvas.unm.edu**

2. You will take short quizzes on each unit. These each have a 15-minute time limit. No calculators may be used. You may use a 3x5" notecard with both sides filled in. Turn this in with your quiz.

3. You will take two tests and a cumulative final exam. You will need to come to UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031) to take these exams in person. **UNM-Valencia course policy does not permit calculators to be used. You may use a 3x5" notecard with both sides filled in. Turn this in with your test.**

> **Exam 1 Thursday, September 17th in-person at UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**
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> **Exam 2 Thursday, October 22nd in-person at UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**
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> **Final Exam Tuesday, December 8th in-person at UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**
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> **There is a written review packet for each exam. You will turn in your completed review packet prior to each exam.**

4. Your high school teacher will assign you a grade for additional assignments they ask you to complete, attendance, etc. This grade is worth 10% of your overall score in this college course. Discuss the requirements for earning these points with your high school teacher.

For more detailed information, read on.

Tutoring Hours: Tuesdays 12:30-1:30pm and Tuesdays and Thursdays 4:15-5:45pm, or by appointment.

Office: Arts and sciences 123 (A123). Zoom hours will be facilitated using the link posted in Canvas.

Free in-person or online tutoring is also available: Stop by the Learning Center in the UNM-Valencia Campus library, email tutor@unm.edu, call (505)228-8860, or visit the link to schedule an online appointment – Tutoring bookings

Late work is generally not accepted, but please contact me at **pandrew@unm.edu** with special circumstances.

Calculator: UNM-Valencia course policy does not allow calculators to be used on quizzes or exams.

Course Description:
A study of linear and quadratic functions, and an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. A development of strategies for solving single-variable equations and contextual problems. (3 Credit Hours).

MECS Division Chair: Andrew Taylor, ataylor19@unm.edu

Textbook: Developmental Mathematics, **2nd Edition**, Sullivan, Struve, Mazzarella.

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.

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

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

Written Assignments (Units 1-12)	
Guided Notes	15%
Unit Quizzes	15%
Exam Review Packets	10%
Grade Assigned by HS Teacher for Additional Assignments and Attendance	10%
Exam 1	10%
Exam 2	10%
Final Exam	30%
Total	**100%**

Math 1215 Student Learning Outcomes
Students will build on their knowledge of linear and quadratic functions and will begin to build an understanding of absolute value, polynomial, rational, power, radical, exponential and logarithmic functions in the following contexts:
1. Demonstrate appropriate use of basic function language and notation.
2. Convert between equivalent forms of algebraic expressions.
3. Solve single-variable equations of the types listed above.
4. Interpret and communicate algebraic solutions graphically and numerically.
5. Demonstrate contextual problem-solving skills that include setting up and solving problems and interpreting solutions in context.
6. Apply appropriate problem-solving methods from among algebraic, graphical, and numerical.

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.
- Access to UNM Canvas requires use your UNM NetID. You may access it directly via Canvas.unm.edu
- A scanner or scanner app like AdobeScan or CamScanner to create pdf files of your work.
- 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 assignment of the semester.
- If you miss more than 3 assignments throughout the semester.
- If you miss an exam.

Exams and Final:
There will be two written exams and a written final exam during the semester that you will take in-person at UNM-Valencia Campus. The exams will correspond to the final exams for Math 1215X and Math 1215Y, respectively. These exams are worth 20% 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. The final exam is worth 30% of your overall grade. You may use a 3x5" notecard with both sides filled in. You may not use a calculator. You are allowed to take the exams and 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***.

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

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 (Sarah Clawson, Coordinator), at (505) 925-8840 or by email at sjclawson@unm.edu. Also available is the Accessibility Resource Center at UNM-Albuquerque at arcsrvs@unm.edu or 505-277-3506.

UAP 2720 and 274: Our classroom and university should foster mutual respect, kindness, and support. If you have concerns about discrimination, harassment, or violence, please seek support and report incidents. Find confidential services at LoboRESPECT Advocacy Center, the Women's Resource Center, and the LGBTQ Resource Center. UNM prohibits discrimination on the basis of sex (including gender, sex stereotyping, gender expression, and gender identity). All instructors are "responsible employees" who must communicate reports of sexual harassment, sexual misconduct and sexual violence to Compliance, Ethics and Equal Opportunity. For more information, please see UAP 2720 and UAP 2740.

Credit-hour statement: This is a three-credit-hour course delivered in an entirely asynchronous online modality over 16 weeks during the Fall 2026 semester. Please plan for a minimum of 18 hours per week to learn course materials and complete assignments.

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 - vrc@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.

Schedule of Topics:

Week of	MATH 1215 Topics
Aug 17	**Unit 1** 8.3 Linear Equations Refresher 8.4 Formulas 8.6 Percent Problems
Aug 24	**Unit 2** 8.8 Inequalities 9.1 Equations in Two Variables 9.2 Graphing Basics 9.3 Slope of a Line
Aug 31	**Unit 3** 9.4 Slope-Intercept Form 9.5 Point-Slope Form 9.6 Parallel and Perpendicular Lines
Sep 7	**Unit 4** 10.1 Linear Systems I 10.2 Linear Systems II 10.3 Linear Systems III
Sep 14	Review **Exam 1 Thursday, September 17th in-person at UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**
Sep 21	**Unit 5** 11.1 Polynomials 11.2 Adding and Subtracting Polynomials 11.3 Multiplying Polynomials I 11.4 Multiplying Polynomials II 11.6 Scientific Notation
Sep 28	**Unit 6** 12.1 Factoring out the GCF 12.2 Factoring Trinomials I 12.3 Factoring Trinomials II 12.4 Factoring Special Products
Oct 5	**Unit 7** 14.1 Graphs of Equations 14.2 Relations 14.3 Functions 14.4 Graphs of Functions **Fall Break**
Oct 12	**Unit 8** 15.1 Square Roots 16.2 Solving Quadratic Equations with the Quadratic Formula 16.5 Quadratic Functions
Oct 19	Review **Exam 2 Thursday, October 22nd in-person at UNM-Valencia Campus (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**
Oct 26	**Unit 9** 13.1 Rational Expressions I 13.2 Multiplying and Dividing Rational Expressions 13.3 Adding and Subtracting Rational Expressions I 13.5 Adding and Subtracting Rational Expressions II
Nov 2	**Unit 10** 13.6 Complex Rational Expressions 13.7 Solving Rational Equations 14.6 Compound Inequalities
Nov 9	14.7 Absolute Value Equations and Inequalities **Unit 11** 15.2 Rational Exponents I 15.3 Rational Exponents II 15.4 Radicals

Nov 16		15.8 Radical Equations
	Unit 12	
		17.2 Introduction to Exponential Functions
		17.3 Introduction to Logarithmic Functions
Nov 23		17.4 Properties of Logarithms
		Thanksgiving Break
Nov 30	Review	
Dec 7	**Final Exam Tuesday, December 8th (280 La Entrada Rd, Los Lunas, NM 87031). Room and time listed in Canvas.**	