UNM Valencia
MATH 1220-503, College Algebra
Fall 2026

Instructor: Michael Gonzales
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Instructor Led Tutoring Hours: Mondays: 1400-1530 Zoom Link, Tuesdays: 1315- 1345 WTC Common Area/Library, Wednesdays: 1300-1400 Zoom Link
MECS Division Chair: Andrew Taylor ataylor19@unm.edu
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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 9 hours per week to learn course materials and complete assignments.

Text: "College Algebra: Concepts Through Functions" 5th edition, by Sullivan & Sullivan 2019: Pearson Publishing.
Course Description: The study of equations, functions and graphs, reviewing linear and quadratic functions, and concentrating on polynomial, rational, exponential and logarithmic functions. Emphasizes algebraic problem-solving skills and graphical representation of functions. (3 Credit Hours)
Prerequisites: Math 1215 or (1215X and 1215Y and 1215Z) or ACT Math ≥ 22 or SAT Math Section ≥ 540 or ACCUPLACER Next-Generation Advanced Algebra and Functions = 239-248. Check with your adviser to make sure you meet the requirements.
Course Outcomes: The course serves as preparation for Math 1240 and Math 1430. In this course, students will build on their knowledge of polynomial, rational, absolute value, radical, exponential and logarithm functions in several contexts. A complete list of the Student Learning Objectives for this course is given at the end of this syllabus.

I reserve the right to drop a student from the class when there is no participation. I will reach out if there is a lack of participation in the first week of the semester. Failure to respond will result in being dropped from the class.

Other Requirements:

- Required: Appropriate MyMathLab access code (do not purchase a generic code, in this case the code is book specific). You should be able to access the textbook through MyShelf/Access Pearson in Canvas. This access will provide you with the e-text and online courseware.

- 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 Learn requires use your UNM NetID to log into UNM Learn. You may access it directly via https://canvas.unm.edu/
- Standard or Scientific calculator for your homework, but no calculator is allowed for the exams.
- PDF reader.
- App or Scanner to submit written homework assignments as a single PDF. Assignments not submitted as single PDFs will not be graded. There are plenty of free apps available to be able to do this.
- Students are expected to conduct themselves in a polite, courteous, professional, and collegial manner. When participating in discussions or interacting with me or other students be respectful at all times.

Weight of Grades:

Participation, Written Homework, Online Quizzes (25%): Problems assigned are listed on the canvas page and the problems will be found in the textbook. These written assignments must be completed and turned in by the due date listed on the schedule for full credit. **No late homework will be accepted. The lowest homework grade will be dropped.** You are expected to participate throughout the class. This may include meetings with myself, group discussions, and various assignments designed to make sure you are keeping up with the material outside of the assigned problems. Online quizzes will be weekly in MyMathLab, and will be timed (20-40 minutes). These quizzes will cover the prior week's topics and **cannot be made up if missed.** You may have unlimited attempts at it. I will drop your four lowest assignments from this section.

MyMathLab Online Homework (20%): Homework is assigned nearly every week based on the course outline. Weekly assignments in MyMathLab (MML) may be completed late, but there is a 5% penalty incurred for every day you're late. Each homework assignment is worth between 10-25 points. You will have 6 attempts for each question in the assignment. I will drop your two lowest online homework grades.

Midterm Exam (25%): There is one midterm exam during the semester given face to face. The midterm exam will be delivered face to face. **You are responsible for finding a testing/proctoring center for you to take the exam. The exam must be scheduled during the week listed in the syllabus if you are not taking it with me.** The midterm exam will cover the material from the beginning of the course. If you are ill or an unexpected event happens and cannot make it to the exam, you have one week to make it up. The final exam will

cover all the sections in the course. **You may use a 3in. by 5in. index card with notes but there is no calculator allowed on the exam.**

Cumulative Final Exam (30%): The final is a cumulative exam that will test all, or nearly all, of the learning objectives for this course. **The final exam will be delivered face to face. You are responsible for finding a testing/proctoring center for you to take the exam. The exam must be scheduled during the week listed in the syllabus if you are not taking it with me.** You are allowed to take the final only once. **You may use a 3in. by 5in. index card with notes but there is no calculator allowed on the exam.**

Grading: Participation, Written Homework, Online Quizzes 25%, MyMathLab Online Homework 20%, Midterm Exam 25%, Cumulative Final Exam 30%. Total: 100%

Grading Scale:

A+: $x > 97\%$	**A:** $93 \leq x \leq 97\%$	**A-:** $90\% \leq x < 93\%$
B+: $87\% \leq x < 90\%$	**B:** $83\% \leq x < 87\%$	**B-:** $80\% \leq x < 83\%$
C+: $77\% \leq x < 80\%$	**C:** $70\% \leq x < 77\%$	
D: $60\% \leq x < 70\%$		
F: $x < 60\%$		

Other Important Information:

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 2740. 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.

Respectful Conduct Expectations: I am committed to building with you a positive classroom environment in which everyone can learn. I reserve the right to intervene and enforce standards of respectful behavior when classroom conduct is inconsistent with university expectations. Interventions and enforcement may include but are not limited to required meetings to discuss classroom expectations, written notification of expectations, and/or removal from a class meeting. Removal from a class meeting will result in an unexcused absence. Three or more unexcused absences may result in permanent removal and a drop from the course (see attendance policy). The University of New Mexico ensures freedom of academic inquiry, free expression and open debate, and a respectful campus through adherence to the following policies: D75: Classroom Conduct, Student Code of Conduct, University Policy 2240 – Respectful Campus, University Policy 2210 – Campus Violence.

Responsible Learning and Academic Honesty: Cheating and plagiarism (academic dishonesty) are often driven by lack of time, desperation, or lack of knowledge about how to identify a source. Communicate with me and ask for help, even at the last minute, rather than risking your academic career by committing academic dishonesty. Academic dishonesty involves claiming that work created by another source is your own original work. It is a Student Code of Conduct violation that can lead to a disciplinary procedure. When you use a resource in work submitted for this class, document how you used it and distinguish clearly between your original work and the material taken from the resource. (Add specifics about acceptable AI usage.)

Generative Artificial Intelligence Use: This course is meant to help you develop and demonstrate key knowledge and skills without the support of generative artificial intelligence (AI) tools for submitted work. Using generative AI to complete submitted coursework in this course will interfere with the advantages in learning and understanding that this course offers you. You are expected to complete submitted work without any generative AI assistance. Prohibited generative AI use includes tools such as ChatGPT, Claude, Gemini, Copilot, Grammarly's generative AI features, AI image generators, AI video or audio generators, AI code generators, AI paraphrasing tools, AI presentation generators, AI design tools, and similar technologies. The purpose of this course policy is educational, not punitive. The assignments in this course are aligned with specific learning processes and outcomes that support your future learning and expertise. Submitting AI-generated or AI-assisted in this course is inconsistent with course expectations and may violate UNM's academic integrity standards and Student Code of Conduct. If AI use is suspected, I will use submitted coursework, assignment directions, conversations with you about your work and process, and this syllabus to determine whether academic misconduct

occurred. If you are unsure if a tool or use is allowed, please ask before submitting the assignment.

Generative AI is a type of AI that refers to technologies that generate text, images, audio, video, code, or other content in response to user prompts. You should acknowledge meaningful generative AI assistance when you submit work. A brief statement is sufficient.

For example:

I used ChatGPT to help brainstorm possible paper topics and revise my introduction for clarity. I reviewed and edited the final version myself.

or

I used Adobe Firefly to generate an illustrative image for my presentation. I revised the slide design myself and verified that the image was appropriate for the assignment.

You do not need to disclose minor uses such as spelling correction, sentence-level grammar correction, citation formatting, basic image cropping, basic color correction, file conversion, or accessibility-related tools related to an accommodation documented with UNM Accessibility Resource Center, unless an assignment specifically requires disclosure.

You remain responsible for the quality and appropriateness of the work you submit, including AI-generated content. You may not use AI to misrepresent your learning, fabricate sources or data, create misleading images or visual evidence, submit work you do not understand, or avoid the intellectual or creative work the assignment is designed to support. UNM's Academic Integrity Guide for Students applies to AI-assisted work.

You should not enter private, confidential, regulated, or sensitive information into AI tools unless the tools and use have been approved by UNM for that purpose. This includes personally identifiable information, peer or instructor created work, nonpublic community data, private chat logs, and images, voice recordings, or likenesses of real people without appropriate permission.

Learning works best when we start from a position of trust. In our course, students are expected to act honestly and responsibly, and I am expected to provide clear guidance about course expectations. On my part, I will also disclose to you how and when I am using generative AI tools with statements like those above. I also hold myself to the same standards of authorship, critical judgement, quality, and integrity that I have outlined in

this policy. If you have questions about what constitutes appropriate AI use, please ask.

Citizenship and/or Immigration Status: All students are welcome in this class regardless of citizenship, residency, or immigration status. As your professor, I will respect your privacy if you choose to disclose your status. As for all students in the class, family emergency-related absences are normally excused with reasonable notice to the professor, as noted in the attendance guidelines above. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community.

Land Acknowledgement: Founded in 1889, the University of New Mexico sits on the traditional homelands of the Pueblo of Sandia. The original peoples of New Mexico Pueblo, Navajo, and Apache since time immemorial, have deep connections to the land and have made significant contributions to the broader community statewide. We honor the land itself and those who remain stewards of this land throughout the generations and also acknowledge our committed relationship to Indigenous peoples. We gratefully recognize our history.

Support:

- Tutoring Hours: See my tutoring hours listed at the beginning of this syllabus. Feel free to come by or log in for online office hours or make an appointment to get help.
- Form study groups: You may work together with other members of our class.
- Resources to support study skill and time management are available through UNM-Valencia Learning Commons (Tutoring). Tutoring is available to you in math, science, writing, and other subjects through the Learning Commons: Learning and STEM Centers and Writing Center. In person tutoring is in these centers in the LRC (the building that also has the library). Tutoring in Zoom and, for writing, through email, is also available.
- If you are making an email appointment with the Writing Center, email your draft to tutor@unm.edu after you fill out the form above. If you have difficulty with the scheduling link above, would like an appointment in a subject not listed at that link, or have a question, email tutor@unm.edu. You'll get answers during business hours Monday through Friday. The webpage, with more details about available hours, is under construction at the moment.
- 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.

- Many students have found that time management workshops or work with peer tutors can help them meet their goals. These and are other resources are available through Pasos, and Student Learning Support at the Center for Teaching and Learning.
- Instructor Response Time: I routinely check the course for postings or emails, Monday (10 am) – Friday (12 pm), and sometimes on the weekend. You can anticipate a 24 to 48-hour response from me, Monday – Thursday. I will try and respond to all weekend (Friday afternoon to Sunday) emails and postings by noon on Monday or earlier. I prefer all communication through email or Canvas Learn.

Semester Dates and Deadlines:

- Monday, August 17: First day of class, classes available in Canvas
- Friday, August 28, by 5:00 pm: Last day to add a class or to change credit hours or grade mode in LoboWEB.
- Friday, September 4, by 5:00 pm: Last day to drop without "W" grade and with 100% refund on LoboWEB
- Friday, November 6, by 5:00 pm: Last day to drop without Student Services permission on LoboWEB. Will receive "W" grade and will be responsible for tuition for the course.
- Friday, December 4, by 5:00 pm: Last day to drop with the permission form.

MATH 1220 Course Student Learning Outcomes:

The following are the objectives for the course. Students will build on their knowledge of polynomial, rational, absolute value, radical, exponential, and logarithm functions in the following contexts:

1. Use function notation; perform function arithmetic, including composition; find inverse functions.
2. Identify functions and their transformations given in algebraic, graphical, numerical, and verbal representations, and explain these representations' connections.
3. Graph and interpret key features of functions, e.g., intercepts, leading term, end behavior, asymptotes, domain, and range.
4. Solve equations algebraically to answer questions about graphs, and use graphs to estimate solutions to equations.
5. Solve contextual problems by identifying the appropriate type of function given the context and creating a formula based on the information.
6. Communicate mathematical information using proper notation and verbal explanations.

Tentative Schedule

Week	Dates	Sections/Topics	Assignments Due
1	08/17-08/23	Introduction Sections 1.1	Syllabus Quiz and Assessment Quiz
2	08/24-08/30	Sections 1.2 & 1.3	Section 1.1 Homework and MML
3	08/31-09/06	Sections 1.5	Section 1.2-1.3 Homework and MML
4	09/07-09/13	Sections 2.1 & 2.3	Section 1.5 Homework and MML
5	09/14-09/20	Sections 2.4 & 2.5	Sections 2.1-2.3 Homework and MML
6	09/21-09/27	Sections 2.8	Section 2.4-2.5 Homework and MML
7	09/28-10/04	Review	Section 2.8 Homework and MML
8	10/05-10/11	Midterm Exam	
9	10/12-10/18	Sections 3.1 & 3.5	Assessment Quiz
10	10/19-10/25	Section 3.6 & 4.1	Section 3.1 & 3.5 Homework and MML
11	10/26-11/01	Section 4.2	Section 3.6 & 4.1 Homework and MML
12	11/02-11/08	Section 4.3	Section 4.2 Homework and MML
13	11/09-11/15	Section 4.4	Section 4.3 Homework and MML
14	11/16-11/22	Section 4.5	Section 4.4 Homework and MML
15	11/23-11/29	Section 4.6	Section 4.5 Homework and MML
16	11/30-12/06	Review	Section 4.6 Homework and MML
17	12/07-12/13	Final Exam	