UNM Valencia
MATH 1130-501, 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
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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.

Textbook: The text for this course is Mathematics All Around, 7th ed. by Thomas L. Pirnot. This book and courseware will be available through UNM's Inclusive Access/MyShelf process. That means that as soon as you register for this class, you will have access to the e-book and it will be charged to your bursar's account. You can find out more about this and your options at https://bookstore.unm.edu/t-1unminclusiveaccess.aspx. This course comes with Inclusive Access (IA). You will receive an email that contains instructions for inclusive access to the book via the MyShelf on UNM Learn. Please, read the instructions carefully and follow what is required to have access to the book at a discounted price.

Course description: Official: This course will develop students' ability to work with and interpret numerical data, to apply logical and symbolic analysis to a variety of problems, and/or to model phenomena with mathematical or logical reasoning. Topics include financial mathematics used in everyday life situations, statistics, and optional topics from a wide array of authentic contexts.

Informal: My hope is that you will have some fun with mathematics and learn some things that you did not know before or that you may find useful. (3 Credit Hours).

Prerequisites: MATH 1215 or (1215X and 1215Y) or 1220 or 1230 or 1240 or 1350 or 1430 or 1440 or 1512 or 1522 or 2531 or ACT Math ≥ 22 or SAT Math Section ≥ 540 or ACCUPLACER Next-Generation Advanced Algebra and Functions ≥ 218 or ACCUPLACER Next-Generation Quantitative Reasoning, Algebra, and Statistics ≥ 253 LCP Math ≥ 30. Note: students may take 1215Y as a co-requisite.

Course Outcomes: This course is an introductory course in statistics intended for students in a wide variety of areas of study. Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests with applications in the real world. Student Learning Objectives for this course is given at the end of this syllabus.

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 to log into UNM Canvas. You may access it directly via https://canvas.unm.edu/
- Access to Zoom (through UNM).

Participation

- Spend 9-12 hours per week on this course.
- Learn or know how to navigate in Canvas, Zoom, and MyMathLab.
- Communicate with one another in group discussions and projects (if applicable).
- Keep up with course announcements and assignments.
- Use a UNM supported messaging system for all correspondence with instructor and fellow students: Lobomail or messages in Canvas.
- Communicate regularly with instructor, especially if anything arises that will keep you from completing assignments on time.
- Address technical problems immediately.
- Observe course netiquette at all times (don't be a troll).

Netiquette: One of the overriding principles in online conversations is to "craft your responses effectively." This is especially true of online communication where others do not have the opportunity to see body language or hear tone of voice; therefore, misunderstandings are more likely. Please, follow the guidelines below and those in the UNM Netiquette document in all of your online responses and discussion postings.

Coursework: In this class I am asking you to complete various homework assignments, most of which will be computational in nature. Also, there will be some written homework assignments that will be mostly applications of what you learned, as well as projects and chapter assessments. Finally, there will be a midterm and final assessment. Below are descriptions of how these will work.

- Homework: Included in this category are
  - Start Here assignments
  - Reading Assignments
  - Online computational homework in MyMathLab
  - Written homework assignments (must be uploaded in Canvas)
  - Discussion posts
  - Attendance at Instructor-Led Help Sessions
- Projects and Chapter Assignments: At the end of each chapter, you will either have a related project to complete or a chapter assessment to complete. I will give complete instructions about these elsewhere.
- Midterm and Final Assessments: There will be one midterm and one final exam for this course. A portion of each exam will be computational in

nature and for one other portion(s) you will have a choice of completing either an essay or creating a video. Those questions will be more open-ended. Complete instructions will appear elsewhere.

Grading Procedures: Homework will be a large portion of the grade. It will be **65%** of your grade with different assignments being different weights depending on the assignment. Reading assignments, Discussion Posts, and Start Here assignments will be **15%**. Online Homework will be **20%**. Written Homework assignments will be **30%.** One of your lowest Online and Written Homework grades will be dropped. All assignments excluding midterm and final assessments will be available for two weeks after the due date. **No assignment will be accepted after that**. Midterm Assessment and Final Assessment will be worth **15% and 20%** respectively

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.

Tentative Schedule

Due dates may change if needed. Please be sure to check in Canvas for upcoming assignments that are due and when.

Week	Dates	Sections/Topics	Assignments Due
1	08/17-08/23	Orientation to Course	Start Here Meet with Instructor
2	08/24-08/30	1.1 Problem Solving	MML 1.1, readings
3	08/31-09/06	1.2 Inductive/Deductive Reasoning and Problem Solving	MML 1.2, readings
4	09/07-09/13	3.1 and 3.2 Logic	3.1,3.2 MML, readings
5	09/14-09/20	3.3 and 3.4 Logic	3.3 Written HW, readings, Ch.3 Ind. Project
6	09/21-09/27	10.1-10.3 Apportionment	10.1,10.2 MML, 10.3 Written HW, readings
7	09/28-10/04	11.1-11.3 Voting Systems 10.4 Fair Division	11.1,11.2 MML 11.3 Written HW readings
8	10/05-10/11	Midterm assessment	Midterm Assessment
9	10/12-10/18	8.4 and 8.5 Annuities/ Amortization	8.4 Written HW, Ch. 8 Ind. Project, readings
10	10/19-10/25	9.1-9.4 Geometry Symmetry	9.1-9.4 MML, readings
11	10/26-11/01	9.5-9.7 Measure Fractals	9.5 MML, Fractal Project, readings

12	11/02-11/08	13.1-13.2, 13.4 Probability, Exp. Value	13.1 MML, Written HW, readings
13	11/09-11/15	14.1-14.3, Data, Linear Correlation	14.1,14.2 MML, 14.3 Written HW, readings
14	11/16-11/22	Out-side Reading Big Data	Discussion readings
15	11/23-11/29	Thanksgiving Break	
16	11/30-12/06	Review	
17	05/11-05/16	Cumulative Final Assessment	