

College Algebra
Math 1220, Section 552, Spring 2021
UNM-Valencia
Fully Online
Remote Scheduled Zoom Lectures with Ms. Jaramillo
Monday Through Friday, 1:00 - 1:30 PM

Instructors: Greg Barnett, Laura Jaramillo

Office
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Tutoring Hours: M-Th
4:30-6:30 PM in Zoom
or by appointment

1 Overview

Welcome to Math 1220. Here is the UNM course description.

Preparation for 1240 and 1430. 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. (I)

Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Prerequisite: (118 and 119) or 1215 or (1215X and 1215Y and 1215Z) or ACT Math \Rightarrow 22 or SAT Math Section \Rightarrow 540 or ACCUPLACER Next-Generation Advanced Algebra and Functions = 239-248.

Note: This syllabus is subject to change, if needed.

2 Student Learning Outcomes (SLOs)

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 the connections between these representations.
3. Graph and interpret key feature of functions, e.g., intercepts, leading term, end behavior, asymptotes.

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 given.
6. Communicate mathematical information using proper notation and verbal explanations.

3 Required Text

- College Algebra, written by many authors as part of the openstax project.
- <https://openstax.org/details/books/college-algebra>
- The text is freely accessible online using the above link, and there is also a PDF version.

4 Attendance Policy

Each student is required to log in for Zoom lectures each week, and students should use this opportunity to get real-time feedback from Ms. Jaramillo and the rest of the class. If a student does not appear in Zoom lectures for two weeks in a row, I reserve the right (but not the obligation) to drop the student from the class. If you stop submitting your coursework for any reason, it is your responsibility to drop the class, or risk getting a failing grade.

5 Technology

Students are expected to be able to

- Sign in and navigate [UNM Learn](#)
- Sign in and navigate openstax.org to read the textbook
- Capture and submit hand-written work digitally, using a smartphone, tablet, digital camera, or other device.

6 Course Structure

The course content includes the following.

- Homework (300 points)
 - 13 Homework Assignments (30 points each)
 - Lowest three scores are dropped.
 - All problems require you to show your work.
- Midterm Exam (100 points)
 - Timed Exam (2 hours)
 - All Problems require you to show your work.

- Final Exam (150 points)
 - Timed Exam (3 hours)
 - All problems require you to show your work.
- Total (550 points)

7 Grading Policy

Your grade will be calculated as follows.

Point Total	Grade
[539,550]	A+
[506, 539)	A
[495,506)	A-
[484,495)	B+
[451,484)	B
[440,451)	B-
[429,440)	C+
[385,429)	C
[374,385)	D+
[341,374)	D
[330,341)	D-
[0,330)	F

8 Make-up Policy

Late homework assignments will not be accepted, unless there is a valid reason. Exams may be made up in the event of emergency or extenuating circumstance only.

9 Netiquette

One of the overriding principles in online conversations is to “craft your responses effectively.” It is sometimes difficult to remember that there are real people reading posted messages. 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 these guidelines in all of your online responses and discussion postings.

- Honor everyone’s right to an opinion.
- Respect the right of each person to disagree with others.
- Respond honestly but thoughtfully and respectfully; use language which others will not consider foul or abusive. You may also use emoticons to convey a lighter tone.
- Respect your own privacy and the privacy of others by not revealing information which you deem private and which you feel might embarrass you or others

- Be prepared to clarify statements which might be misunderstood or misinterpreted by others.

A Special Note About Anger

- Do not send messages that you have written when you are angry, even anonymous ones. In the online world, angry messages are known as “flaming” and are considered bad behavior. Venting and flaming are two different things. It is possible to vent without becoming “ugly.” Stick to the facts of what is causing you frustration.
- Do not send messages that are written all in upper case; this is the visual equivalent of SHOUTING. It is considered aggressive and is considered bad behavior. If you ever feel like shouting a message, take a deep breath and wait until you have calmed down before responding. Then, respond in a calm and factual manner.

UNM Netiquette Document

10 Academic Integrity

We will follow university policy on 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" 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.

11 Students with Disabilities

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.

12 EQUAL OPPORTUNITY AND NON-DISCRIMINATION:

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees” by the Department of Education (see page 15 of this [link](#)). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>.