

College Algebra Online

Math 1220, Section 504

Instructor: Greg Barnett

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Office Hours: MTWR
2:00-3:00 in the LRC
4:30-5:00 Online
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, especially linear and quadratic functions. Introduction to polynomial, rational, exponential and logarithmic functions. Applications involving simple geometric objects. Emphasizes algebraic problem solving skills. (I)

Meets New Mexico Lower-Division General Education Common Core Curriculum Area II: Mathematics.

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 \Rightarrow 239-248.

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

2 Course Learning Objectives

- 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

The required text for this course is:

- College Algebra, Concepts Through Functions, Fourth Edition, by Sullivan and Sullivan

We will be using MyMathLab (MML), so you will need to purchase an MML access code. Our MML course ID is **barnett87865**. The MML access code comes with an eText, which can be used as your primary textbook, if you are okay with not having a physical copy.

4 Other Requirements

Access to a reliable and fast internet connection is required. The primary tool for the course is MyMathLab (<http://mymathlab.com>), but students must also be able to navigate and use UNM Blackboard Learn (<https://learn.unm.edu>).

5 Course Structure

The course content includes the following.

- MyMathLab Homework and Quizzes (200 points)
 - Each Unit has a homework assignment and a quiz. **You must score 60% or better on the homework to access the quiz.**
 - You can re-visit homework after the deadline, but **quiz deadlines are fixed.**
 - Quizzes are not timed, but you are allowed only two attempts on each quiz.
 - There will be 12 homework assignments and 12 quizzes, worth 10 points each.
 - * The lowest two homework scores and the lowest two quiz scores will be dropped.
- Two Hand-written Assignments (100 points)
 - These will be downloaded, answered by hand, scanned, and submitted in PDF form through UNM Learn.
 - The first hand-written assignment is due on **Friday, September 20**, at 11:59 PM.
 - The second hand-written assignment is due on **Friday, November 15**, at 11:59 PM.
- Midterm Exam (100 points)
 - The midterm exam will be **taken in person** during the week of October 14, and **must be scheduled in advance**. It will be a timed exam lasting 1 hour.
- Comprehensive Final Exam (150 points)
 - The final exam will be **taken in person** during the week of December 9, and **must be scheduled in advance**. It will be a timed exam lasting 2 hours.
- Total (550 points)

6 Grading Policy

Your grades will be calculated as follows.

<u>Point Total</u>	<u>Grade</u>
[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

7 Make-up Policy

Quizzes and hand-written assignments will not be accepted after the due date, unless there is a valid reason. In this rare case, the student will need to request the password to access their online quiz after the due date.

8 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.

9 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.

10 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>.