



# Math 1215Z: Intermediate Algebra C

Spring 2021

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Online Office Hours via Zoom Mon & Wed 1:30pm – 2:30pm

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1 Credit Hour

## COURSE DESCRIPTION

This is the last class of the Math 1215XYZ Intermed Algebra courses

### Math 1215 Z

Sect.	CRN	Class Time	Days	Location	MML Course Code
505	51279	Online	Online	Online	godfrey26573

This 1-credit-hour course includes the final third of an intermediate algebra course including simplifying radical expressions including the use of rational exponents, solving radical equations, simplifying rational expressions, operations on rational expressions, solving rational equations, development of the concept of functions, solving absolute value equations and inequalities, and an introduction to exponential and logarithmic functions.

### Student Learning Outcome/Course Objective

This course will explore rational functions and radical functions, and we will introduce exponential and logarithmic functions.

Upon successful completion of the Math 1215Z course, students will be able to:

- A. Demonstrate appropriate use of basic function language and notation.
  - 1. Communicate or present mathematical concepts using correct mathematical notation and terminology.
  - 2. Correctly use function notation and vocabulary related to functions.
  - 3. Determine function values for given domain values and determine domain values for given function values.
  - 4. Determine domains for specific functions.
- B. Convert between equivalent forms of algebraic expressions.
  - 1. Simplify expressions using properties of exponents.
  - 2. Simplify rational expressions.
  - 3. Simplify radical expressions.
  - 4. Rewrite exponential functions in logarithmic form and vice versa.
- C. Solve single-variable equations of the types listed above.
  - 1. Solve equations containing rational expressions.
  - 2. Solve equations containing radical expressions.
  - 3. Solve absolute value equations in one variable.
  - 4. Solve exponential and logarithmic equations using equating bases.
- D. Interpret and communicate algebraic solutions, graphically, and numerically.
- E. Demonstrate contextual problem-solving skills that include setting up and solving problems and interpreting solutions in context.
  - 1. Analyze solutions to application problems and give them contextual meaning.
- F. Apply appropriate problem-solving methods from among algebraic, graphical, and numerical.
  - 1. Perform operations with radical expressions.
  - 2. Perform operations with rational expressions.

3. Solve absolute value inequalities in one variable.
4. Apply solution methods learned to application problems.

**Completing Math 1215X and 1215Y meets the prerequisites for Math 1110 and Math 1350. Completing all three (Math 1215X, 1215Y, and 1215Z) meets the requirements for Math 1220 and some science classes. Completing all three, Math 1215X, 1215Y, and 1215Z, meets the same learning objectives as Math 1215.**

## **Math 1215 Z**

Prerequisite/Placement: A grade of C or better in Math 1215Y.

- While MATH 1215Z provides credit toward establishing a full-time load for financial aid purposes, this course does NOT satisfy UNM general education core course requirements.

## **TECHNICAL SKILLS**

To participate and succeed in this class, you will need to be able to perform the following essential technical tasks:

- Use UNM Learn (help documentation located in the "How to Use Learn" link on the left course menu and at [Online Student Documentation<sup>1</sup>](#)). Also, UNM-Valencia provides a Blackboard Learn Jumpstart self-learning module to give you practice with the most commonly used tools in UNM Learn. Ask your instructor if you do not see the UNM-Valencia Blackboard Learn Jumpstart in your list of UNM Learn classes.
- Use email – including attaching files, opening files, downloading attachments
- Copy and paste within applications including Microsoft Office
- Open a hyperlink (click on a hyperlink to access a website or online resource)
- Use Microsoft Office applications
  - Create, download, update, save and upload MS Word documents
  - Download, annotate, save and upload PDF files
  - Access MS Teams
- Use the in-course web conferencing tool (Collaborate Web Conferencing software in UNM Learn) or use Zoom or another web conferencing tool
- Download and install an application or plugin – required for participating in web conferencing sessions

## **TECHNICAL REQUIREMENTS**

### **Computer**

- A high-speed Internet connection is highly recommended.
- Supported browsers include Chrome, Firefox, or Safari. Preferred operating systems are Windows or Apple.
- Any computer capable of running a recently updated web browser should be sufficient to access your online course. However, bear in mind that processor speed, amount of RAM, and Internet connection speed can *significantly* affect performance. **Some programs that use mathematics will not work well on mobile devices such as smartphones or tablets.**
- Microsoft Office products are available free for all UNM students (more information on the [UNM IT Software Distribution and Downloads page<sup>2</sup>](#))

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<sup>1</sup> <http://online.unm.edu/help/learn/students/>

<sup>2</sup> <http://it.unm.edu/software/index.html>

- Please update your contact information in Loboweb: [MyUNM Login](#)<sup>3</sup>. When you log into MyUNM, Enter LoboWeb. Click on the Personal Information link to make sure your contact information is up to date.
- Laptops may be available for checkout for the Fall semester from the [UNM-Valencia Library](#)<sup>4</sup>. Contact the librarians for more information.

### Web Conferencing

Web conferencing will be used in this course for office hours and scheduled individual meetings. For the online sessions, you will need:

- A USB headset with a microphone. Headsets are widely available at stores that sell electronics, at the UNM Bookstore, or online.
- A high-speed internet connection is highly recommended for these sessions. A wireless Internet connection may be used if successfully tested for audio quality before web conferencing.
- You should also dress as you would when attending an in-person meeting, even if you do not turn on your video camera

### Technical Support

- For UNM Learn Technical Support: (505) 277-0857 (24/7) or use the "Create a Tech Support Ticket" link in your course.
- For UNM-Valencia IT Support: (505)925-8911
- For UNM Web Conference Technical Help: (505) 277-0857

## TEXTBOOK AND SUPPLEMENTAL MATERIALS

### Required Textbooks:

"Developmental Mathematics," 2nd edition, by Sullivan, Struve, Mazzearella.

Required: Appropriate MyMathLab (MML) access code (do not purchase a generic code; in this case, the code is book specific). You may purchase the 18-week access code for a lower price, but you *cannot* upgrade to the lifetime code once you purchase the restricted one.

### Recommended and Optional:

Optional: You may "upgrade" your access by purchasing a hardcopy of the book directly from Pearson for an additional cost (between \$50 and \$60 before tax). There will be copies of the book on reserve for use in the library (you will not be able to take the book from the library home).

### Specific Course Requirements

Pearson account. If you have used any of the Pearson My Lab products before, you can use the same account you created the first time you used it. Otherwise, you can create an account when you register in MyMathLab (MML) for this class. Register by going to [mymathlab.com](http://mymathlab.com).

## COURSEWORK AND PARTICIPATION

### Instructor Response Time

I routinely check the course for postings or emails, Monday (8 am) – Friday (noon), and sometimes on the weekend. You can anticipate a 24 to 48-hour response from me, Monday – Thursday. I

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<sup>3</sup> <http://my.unm.edu/home>

<sup>4</sup> <http://valencia.unm.edu/library/index.html>

will try and respond to all weekend (Friday afternoon to Sunday) emails and postings by noon on Monday or earlier.

### **Procedures for Completing Coursework**

- Weekly assignments must be completed not later than the due date for full credit. You must notify your instructor if you wish to work on an assignment that is past due. A 30% penalty may be incurred for late pending on circumstances. Last update: 07/15/20
- All written work needs to be submitted online. If you have difficulty using a tool to complete work, notify your instructor immediately and/or use the "Create a Tech Support Ticket" link in the Course Menu.

### **Expectations for Participation**

- Plan to spend a minimum of 9 to 12 hours per week for this class. There is no guarantee you will pass if you dedicate this amount of time, you still need to learn the material and use your time wisely, but those who pass generally are the ones who spend the time needed to do the work to learn the material.
- students are expected to learn how to navigate in Learn
- students are expected to utilize Zoom
- students are expected to keep abreast of course announcements
- students are expected to use their UNM email as opposed to a personal email address and are expected to check their UNM email regularly
- students are expected to keep the instructor informed of class-related problems or problems that may prevent the student from full participation
- students are expected to address technical problems immediately
- students are expected to observe course netiquette at all times

### **Netiquette**

One of the overriding principles in online conversations is to "craft your responses effectively." It is sometimes difficult to remember that real people are reading posted messages. It is especially true of online communication where others do not have the opportunity to see body language or hear the 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 that others will not consider foul or abusive. You may also use emoticons to convey a lighter tone.
- Respect your privacy and the privacy of others by not revealing information that you deem private and which you feel might embarrass you or others
- Be prepared to clarify statements that 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 written in the upper case; this is the visual equivalent of SHOUTING. It is considered aggressive and regarded as 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 calmly and factually.

## **How to complete your work for this class:**

The course topics are split into 4 units. Below is how you will progress through the material:

**Participation and Progress:** Participation and progress includes

- **Instructor Check-in:** There will be one required one-on-one zoom meeting with your instructor around the middle of April. This is a way for me to check in with you. This meeting will be worth 20 points
- **Discussion postings:** Discussion postings regarding posted videos discussion are in Learn. Each posting will have information about the number of points it is worth, and a rubric explaining the point distribution. If you do not post to the discussion forums by the indicated due dates, you will not receive credit for that posting.
- **Questions:** Contact me via email, Ask my Instructor in MyMathLab, or during office hours with questions from the homework. My job is to help you learn the material; I cannot do that unless I know where you are misunderstanding or "not getting it."
- **Show Progress:** Turn in Guided Notes and other assignments on time, ask questions from the Computational Assignments, earn a score of 85% on a Quiz to show you are ready for your next Unit.
- **Turn Work in by Due Date:** You must log in to Blackboard Learn and MyMathLab and keep the scheduled. You will turn in your guided notes for each Unit before starting the next Unit! ***You need to work on this course throughout the week so that you can log your 9 to 12 hours per week.***

**Guided Notes:** Guided notes are required! These are notes you should print and complete using your text. After the first day of class, these notes will be posted in UNM Learn. Completed notes will be due before you start the MML homework. Embedded in the Guided Notes will be the password to open the corresponding homework in MML.

**MyMathLab Homework:** Online homework is assigned nearly every week based on the units in the course outline. Complete weekly assignments in MyMathLab no later than the indicated date in MML. You will complete the Guided Notes and the MML homework for each Unit before taking the unit quiz. For those you need to complete, linked to many questions are Skill Builder problems. If you are struggling with a particular problem, the program will direct you to simpler problems to practice, helping pinpoint where you are having difficulty. Be sure to work the Skill Builder problems linked to those you struggle with. ***You will need to score a 90% or better on the Computational Assignment before the Unit Quiz will open.***

**Quizzes:** There is a Quiz for each Unit with set deadlines and required deadlines for each Unit. Quizzes in MML

- The online quiz for a unit in MML will not open until you have scored 90% or better on the corresponding homework.
- If you are ready to attempt a unit quiz before the required deadline, you may do so in MyMathLab. The quiz in MML is timed. If you score 85% or better on that quiz, you can continue to the next Unit.
- You will take the unit quiz on the required deadline whether or not you have completed the homework assignments for that Unit. ***Pay attention to the deadlines and do not delay working on the assignments for each Unit.***
- If you have not completed the online quiz by the required deadline, or if you did not score 85% or better in the online quiz, you must email your instructor to discuss retake options.

Sometimes MML will miscount a problem because you do not enter the answer in the form the program wants or, for some other reason, not immediately apparent. I will check your progress before each class meeting and will review your unit quizzes to see if you can receive some points back. If you complete a Quiz and your score is close to 85%, tell me and I will look at it sooner rather than later.

**Project:** The Project is required! There is one project during the semester, You can work with each other on the project, but you must submit YOUR own work.

**Final Exam:** The final is a departmental exam that will test you overall, or nearly all, of the learning objectives for this course. You will be given a formula sheet for the final, and you can use a calculator. You are allowed to take the final **only once**. The final exam will be 20% of your overall course grade.

**\*You must score at least a 70% on the final exam and have a course average of 70% or better to earn a passing grade in the course.**

## **NOTES TO STUDENTS ABOUT PARTICIPATION IN A COURSE USING UNM LEARN:**

### **Tracking Course Activity**

UNM Learn automatically records all students' activities, including your first and last access to the course, the pages you have accessed, the number of discussion messages you have read and sent, web conferencing, discussion text, and posted discussion topics. This data can be accessed by the instructor to evaluate class participation and to identify students having difficulty

## **GRADING PROCEDURES**

### **COURSE AVERAGES:**

Participation and Progress	10%
Guided Notes	20%
MyMathLab Homework	15%
Quizzes	20%
Project	15%
Cumulative Final Exam*	20%
<b>Total</b>	<b>100%</b>

**\*You must score at least a 70% on the final exam and have a course average of 70% or better to earn a passing grade in the course.**

<b>Letter Grade</b>	<b>Final Exam score AND Course Weighted Average</b>
<b>A</b>	70% or better <b>AND</b> 90% or better
<b>B</b>	70% or better <b>AND</b> 80% to 89%
<b>C</b>	70% or better <b>AND</b> 70% to 79%
<b>CR</b>	70% or better <b>AND</b> 70% or better
<b>NC</b>	Any <b>AND</b> 69% or less

## UNM POLICIES

### Equal Opportunity and Non-Discrimination

To meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the [Department of Education](#)<sup>5</sup> (see pg. 15). 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](#)<sup>6</sup>.

[Read more about UNM policy regarding sexual misconduct](#)<sup>7</sup>.

### Copyright Issues

All materials in this course fall under copyright laws and should not be downloaded, distributed, or used by students for any purpose outside this course.

[The UNM Copyright Guide](#)<sup>8</sup> has additional helpful information on this topic.

### Accessibility and Accommodations

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides reasonable accommodations for their disabilities. If you have a disability requiring accommodation, please contact:

- [UNM-Valencia Student Services](#)<sup>9</sup> if you are a Valencia campus student. The phone number is 505-925-8560
- [UNM Accessibility Resource Center](#)<sup>10</sup> in 2021 Mesa Vista Hall if you are a main campus student. The phone number is 505-277-3506.

Information about your disability is confidential, and your instructor cannot refer you for accommodations. Be aware that you will need to provide documentation. If you need assistance in obtaining documentation, the offices above can assist you.

### Accessibility Statements

[Blackboard's Accessibility statement](#)<sup>11</sup>

[Microsoft's Accessibility statement](#)<sup>12</sup>

### Academic Integrity

You should be familiar with UNM's [Policy on Academic Dishonesty](#)<sup>13</sup> and the [Student Code of Conduct](#)<sup>14</sup>, which outlines academic misconduct defined as plagiarism, cheating, fabrication, or facilitating any such act.

### Drop Policy:

Here are the reasons I **may** drop you from the class:

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<sup>5</sup> <https://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>

<sup>6</sup> <http://oeo.unm.edu/>

<sup>7</sup> <https://policy.unm.edu/university-policies/2000/2740.html>

<sup>8</sup> <https://copyright.unm.edu/>

<sup>9</sup> <http://valencia.unm.edu/students/student-services.html>

<sup>10</sup> <https://arc.unm.edu/>

<sup>11</sup> <https://www.blackboard.com/blackboard-accessibility-commitment>

<sup>12</sup> <https://www.microsoft.com/en-us/accessibility/>

<sup>13</sup> <https://pathfinder.unm.edu/campus-policies/academic-dishonesty.html>

<sup>14</sup> <https://pathfinder.unm.edu/code-of-conduct.html>

- You are not registered in MML and completing assignments by the end of the first week you are in the class.
- You miss completing the start here section in Blackboard Learn by the end of the second week.

**You will be dropped if you do not complete, sign and turn in the course contract found in the Start Here Module by the due date.**

Do not depend on me to drop you if you decide not to take the class. You are responsible for withdrawing if you decide not to complete the course.

*UNM Policies: This course falls under all UNM policies for the last day to drop courses, etc. Please see or the UNM Course Catalog for information on UNM services and policies. Please see the UNM academic calendar for course dates, the last day to drop courses without penalty, and financial disenroll dates.*

## UNM RESOURCES

- [UNM Valencia Campus Tutoring Services<sup>15</sup>](#)
- [UNM Main Campus CAPS Tutoring Services<sup>16</sup>](#)
- [UNM-Valencia Library<sup>17</sup>](#)
- [UNM Libraries<sup>18</sup>](#)
- [“Life” Resources available to UNM-Valencia Students<sup>19</sup>](#)
- [Student Health & Counseling \(SHAC\) Online Services<sup>20</sup>](#)

## FOR MILITARY-CONNECTED STUDENTS

There are resources on campus designed to help you succeed. You can approach any faculty or staff for help with any issues you may encounter. Many faculty and staff have completed the GREEN ZONE training to learn about the unique challenges facing military-connected students. If you feel that you need help beyond what faculty or staff can give you, please reach out to the Veterans Resource Center on the main campus at 505-277-3181 or by email at [vrc@unm.edu](mailto:vrc@unm.edu). The Veterans Coordinator at UNM-Valencia is in the Student Services Office at 505-925-8560.

## SEMESTER DEADLINES

**Spring 2021 – 16-week classes (deadlines will be different for first and second 8-week classes)**

- Monday, January 18: First day of class, classes available in Blackboard Learn
- Friday, January 29, by 5:00 pm: Last day to add a class or change credit hours or grade mode in LoboWEB.

<sup>15</sup> <http://valencia.unm.edu/campus-resources/the-learning-center/learning-center.html>

<sup>16</sup> <http://caps.unm.edu/services/online-tutoring/olc.php>

<sup>17</sup> <http://valencia.unm.edu/library/index.html>

<sup>18</sup> <https://library.unm.edu/>

<sup>19</sup> <http://valencia.unm.edu/students/student-resources.html>

<sup>20</sup> <https://shac.unm.edu/>



- Friday, February 5: Last day to drop without “W” grade and with 100% refund on LoboWEB
- Monday, January 18: Martin Luther King Jr. Day, no classes.
- March 14-21: SPRING BREAK
- Friday, April 16: Last day to drop *without* Dean’s permission on LoboWEB. Will receive a “W” grade and will be responsible for tuition for the course.
- Friday, May 7: Last day to add sections or change credit hours with form, last day to drop *with* Dean’s permission. Will receive a “W” grade and will be responsible for tuition for the course.
- May 5-15: Finals week. All final exams are given remotely.

## Course Schedule

### Math 1215Z: Intermediate Algebra Part 3

Due by the Quiz Date

- your Guided Notes for the Unit are due
- you should have a 90% or better on the MML homework for that Unit.

If you wish to take your unit quiz online, you must do so by 11:59 pm on the day before the Quiz Date.

Unit	Quiz Date
10	Sunday, 4/11
11	Sunday, 4/18
12	Sunday, 4/25
13	Sunday, 5/2