



Math 1215X: Intermediate Algebra I

Fall 2020

Michelle Godfrey

shosho@unm.edu

Online Office Hours via Zoom Tues & Thurs 12pm – 1pm

MECS Division Chair: Elaine W. Clark ewclark@unm.edu

1 Credit Hour

Math 1215 X

Sect.	CRN	Class Time	Days	Location	MML Course Code
504	69904	Online	Online	Online	godfrey99497

OFFICE HOURS VIA ZOOM ARE ON TUES & THURS 12PM – 1PM.

I am here to help you so please do not hesitate to jump in. Below is the zoom meeting information and a link:

- Join Zoom Meeting: <https://unm.zoom.us/j/98452273841>
- Meeting ID: 984 5227 3841
- One tap mobile: +13462487799,,98452273841# US (Houston)

COURSE DESCRIPTION

This 1-credit-hour course includes the first third of an Intermediate Algebra course including problems in ratio and proportion, unit conversions, solving linear equations and problems modeled by these, finding equations for lines and graphing them, working with formulas, and scientific notation.

Student Learning Outcomes/Course Objectives

In this course, we will explore linear functions, linear inequalities, polynomials, and factoring.

Upon successful completion of the Math 1215X 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.
- B. Convert between equivalent forms of algebraic expressions.
 1. Rewrite line equations in different forms (slope-intercept, point-slope, standard)
- C. Solve single-variable equations of the types listed above.
 1. Solve for a single variable in a proportion.
 2. Solve for a single variable in a linear equation.
 3. Solve for a specified variable in a formula.
- D. Interpret and communicate algebraic solutions graphically and numerically.
 1. Determine equations for lines in the three forms – slope-intercept and point-slope.
 2. Sketch the graphs of linear functions.
 3. Interpret slope in relation to variable coefficients and as a rate of change.
 4. Graph linear inequalities in one variable on a number line and write corresponding interval notation.
- E. Demonstrate contextual problem-solving skills that include setting up and solving problems and interpreting solutions in context.
 1. Determine linear equations from application problems and solve them.
 2. Set up a linear proportion from an application problem and solve it.
 3. Analyze solutions to application problems and give them contextual meaning.

- F. Apply appropriate problem-solving methods from among algebraic, graphical, and numerical.
1. Perform unit conversions.
 2. Solve linear inequalities in one variable.
 3. Simplify expressions written in scientific notation.
 4. Simplify multiplication and division problems using scientific notation.
 5. Apply solution methods learned to application problems.

Completing Math 1215X meets the prerequisites for Math 1215Y and it is a co-requisite for some people in Math 1118 to get into Math 2118

Prerequisites and Co-requisites

Math 1215 X

Appropriate placement score or a grade of C or better in Math 100 or Math 022 or ACT Math =>18 or SAT Math Section =>490 or ACCUPLACER Next-Generation Advanced Algebra and Functions =228-238, QRAS=253-300, Arithmetic=276-300 or B+ in Alg II and/or B- or B in Statistics or CRM and/or C or lower in Pre-calculus, Trigonometry, Calculus. Check with your adviser to make sure you meet the requirements.

- While MATH 1215X 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 basic technical tasks:

- Use UNM Learn (help documentation located in the "How to Use Learn" link on the left course menu, and also at [Online Student Documentation¹](#)). 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 classes in UNM Learn.
- 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
- 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 *greatly* affect performance. **Be aware, some**

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

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 page²](#))
- Please update your contact information in LoboWeb: [MyUNM Login³](#). 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 Library⁴](#). 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 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
- (Optional but highly recommended) A USB headset with a microphone. Headsets are widely available at stores that sell electronics, at the UNM Bookstore or online.

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 12-week access code for a lower price, but you *cannot* upgrade to the lifetime code once you purchase the restricted one.

Recommended and/or 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.

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

³ <http://my.unm.edu/home>

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

COURSEWORK AND PARTICIPATION

Instructor Response Time

I routinely check the course and my 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 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 50% penalty may be incurred for late pending on circumstances.
- 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. This 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 which 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 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 calmly and factually.

GRADING PROCEDURES:

The course topics are split into 5 units, Below is how you will progress through the material:

Participation (15% of your total Grade)

Participation includes:

- Attendance. There will be one scheduled zoom meeting the first week of class that will be mandatory to attend on **Thursday 8//20 at 1:00 pm (noon)**. This meeting will be worth 15 points towards your participation grade
- There will be additional One-on-One meetings via Zoom and/or email to meet with your instructor individually through out the semester. This is a way to check in on you one-on-one so we can go over your progress and set goals for completion. Your instructor will let you know which weeks to meet. Each meeting will be worth 15 points towards your participation grade.
- You are expected to participate each week in learning the material for this course. Your instructor will provide short instructional videos on key concepts that will be available in UNM Learn.
- There will be weekly class discussion postings about the videos that will count towards your participation grade.
- Questions. Contact me through email, Ask my Instructor in MyMathLab, or 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 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.

Absences: I do not require you to give me any sort of documentation for falling behind in the class. However, I do ask that you communicate with me via email. If you start to fall behind for any reason, please contact me as soon as possible so we can figure out what is needed for you to succeed in this class. If you fall behind in the class, you are still expected to complete all assignments.

Drop Policy:

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

- If you miss the first week of the semester.
- If you have no presence in the virtual environment via UNMLearn or contact your instructor for 1 or more consecutive weeks.

If you added late, your counted absences start the day you registered for the class.

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. If you are dropped or withdraw from Math 021 or Math 1996, you will be dropped from the other class.

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.

Guided Notes (20% of your total Grade):

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 (MML) Homework (15% of your total Grade):

Online homework is assigned every week based on the units in the course outline. Weekly assignments in MyMathLab must be completed not 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 (20% of your total Grade):

There is a Quiz for each unit with a specific due date.

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.
- Even though the quiz is online you will be required to turn in your written work to receive credit for your quiz. Written work will be turned in via Learn.
- 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.
- 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 contact me via email to arrange a retake.
- 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.***

Sometimes MML will count a problem incorrectly 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 regularly 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 (10% of your total Grade):

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 (20% of your total Grade):

- 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 is scheduled on Wednesday, 10/7 at 11:00 am.** The final date and time is subject to change.

***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.**

GRADING PROCEDURES:

COURSE AVERAGES:

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

***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.**

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

SUPPORT: If you are struggling in this course, do not be afraid to ask for help!

- Office Hours: See my office hours listed at the beginning of this syllabus. Feel free to 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.
- Free Tutoring: The Math Center at Valencia campus has free tutoring available online to help with your course content questions as well as questions about using tools. Send an email to tutor@unm.edu to schedule an appointment or you can call 505-925-8907 for more information
- 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](#)

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](#)⁵ (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](#)⁶.

[Read more about UNM policy regarding sexual misconduct](#)⁷.

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](#)⁸ has additional helpful information on this topic.

Accessibility and Accommodations

The American 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 for reasonable accommodations of their disabilities. If you have a disability requiring an accommodation, please contact:

- [UNM-Valencia Student Services](#)⁹ if you are a Valencia campus student. The phone number is 505-925-8560
- [UNM Accessibility Resource Center](#)¹⁰ 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](#)¹¹

[Microsoft's Accessibility statement](#)¹²

Include links to accessibility statements for all other technologies included in the course.

Academic Integrity

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

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

⁶ <http://oeo.unm.edu/>

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

⁸ <https://copyright.unm.edu/>

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

¹⁰ <https://arc.unm.edu/>

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

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

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

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

UNM RESOURCES

- [UNM Valencia Campus Tutoring Services¹⁵](#)
- [UNM Main Campus CAPS Tutoring Services¹⁶](#)
- [UNM-Valencia Library¹⁷](#)
- [UNM Libraries¹⁸](#)
- [“Life” Resources available to UNM-Valencia Students¹⁹](#)
- [Student Health & Counseling \(SHAC\) Online Services²⁰](#)

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 and/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 src@unm.edu. The Veterans Coordinator at UNM-Valencia is in the Student Services Office, at 505-925-8560.

SEMESTER DEADLINES

Fall 2020 – First 8-week classes only

- Monday, August 17: First day of class, classes available in Blackboard Learn
- Friday, August 21, by 5:00 PM: Last day to add a class or to change credit hours or grade mode in LoboWEB.
- Friday, August 28: Last day to drop without “W” grade and with 100% refund on LoboWEB
- Monday, September 7: LABOR DAY HOLIDAY
- Wednesday, October 7: FALL BREAK
- Friday, September 25: 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, October 9: Last day to add sections and/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.
- Saturday, October 10: Semester ends for first 8 weeks

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

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

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

¹⁸ <https://library.unm.edu/>

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

²⁰ <https://shac.unm.edu/>

Course Schedule: Math 1215X: Subject to Change

Week #	Week of	Sections Covered	Assignments Due
1	8/17	5.1 & 5.2	Introduction
2	8/24	5.4, 6.1 & 6.2	Unit 1 Guided Notes due Friday 8/28
3	8/31	8.1, 8.2 & 8.3	Unit 1 MML Homework due Tuesday 9/1 Unit 1 Quiz due Wednesday 9/2 Unit 2 Guided Notes due Friday 9/4
4	9/7	8.4,8.8	Unit 2 MML Homework due Tuesday 9/8 Unit 2 Quiz due Wednesday 9/9 Unit 3 Guided Notes due Friday 9/11
5	9/14	9.1, 9.2, & 9.3	Unit 3 MML Homework due Tuesday 9/15 Unit 3 Quiz due Wednesday 9/16 Project Due Thursday 9/17 Unit 4 Guided Notes due Friday 9/18
6	9/21	9.4 & 9.5	Unit 4 MML Homework due Tuesday 9/22 Unit 4 Quiz due Wednesday 9/23 Unit 5 Guided Notes due Friday 9/25
7	9/28	Review	Unit 5 MML Homework due Tuesday 9/29 Unit 5 Quiz due Wednesday 9/30
8	10/5	Final	Final will be Wednesday 10/7