Instructor: Precious Andrew   email: pandrew@unm.edu

Sect.	CRN	Meeting Times/Room	MML Course Code
502	62388	**In-Person** Tuesdays and Thursdays 12:00pm-1:40pm Valencia Campus Room VAAS 140	andrew72503

Office Hours/Study Sessions **(feel free to stop by!)**: Tuesdays and Thursdays 4:15-5:45 in-person at Valencia Campus, Room Arts and Sciences 123 (A123).

Additional times available on Main (Central) campus in-person to accommodate online Main campus students who wish to meet in person (see updates in Canvas).

Online via Zoom (Tentatively-see updates in Canvas) Mondays 5-6:30pm (or please email me for an appointment!).

Course Description
Math 100 is a pre-college mathematics course. Topics covered include a short review of arithmetic with real numbers, linear equations, polynomials, factoring, formulas, graphing, and application problems. (4 Credit Hours).

Textbook: Ebook in MyMathLab - <u>Developmental Mathematics</u>, **2nd Edition**, Sullivan, Struve, Mazzarella**.**

MECS Division Chair: Ariel Ramirez; aramirez8@unm.edu

MyMathLab (MML) access code required. The code is book specific. It's suggested you buy a code with at least 24 months access since you'll most likely be using MML in Math 1215/1220 also.

Calculator: You may use a 4-function basic calculator **(not a scientific or graphing calculator)** for assignments and exams.

Pre/Corequisites: Prerequisites/placement: Minimum Next-Gen ACCUPLACER Arithmetic score of 244 or Math ACT score of 15 or based on high school transcript review (GPA 2.3+). **Co-requisite: MATH 1996: Critical Thinking for Math.** While MATH 100 provides credit toward establishing a full-time load for financial aid purposes, this course does NOT satisfy UNM general education core course requirements.

Grades: Your grade will be based on the following allocation of points.

Attendance/Board Problems	10%
Written Homework	20%
Written Tasks	20%
MyMathLab Online Homework	20%
Midterm Exam	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.**

How Grades Are Determined:

Depending on the grading option you have chosen, your final course letter grade will be determined as shown:

RA+: 97-100%   RA: 93-96%   RA-: 90-92%   RB+: 87-89%   RB: 83-86%   RB-: 80-82%
RC+: 77-79%   RC: 73-76%   RC-: 70-72%   **RNC: Any score on the final and less than 70% course weighted average**
                                                                      OR less than 70% on the final exam and any course average
(If you choose CR/NC mode at the start of the semester,
RCR: 70% or better on final **and** 70% or better course weighted average
RNC: Any score on the final and less than 70% course weighted average OR less than 70% on the final exam and any course average)

Course Format:

1 - **You will be attending in-person classes during the scheduled meeting time.** These must be attended in their entirety.You should take careful notes on each and every example from each lecture. You should write down every example and all steps I show to reach a solution. These notes should be labeled clearly, organized, and neat and clear.

2 – **You will submit written homework projects about every 1-2 weeks.** See due dates in Learn. **You'll need to print each project** and fill it in. Bring your printed assignment to class as we'll be filling some in together. These must be organized and labeled, all work and steps must be shown, and must be presented consecutively, clearly, and legibly. I will be grading the written homework for the correct answer, all steps, and for neatness and legibility. **You'll be submitting via UNM Learn. Homework must be submitted as one readable pdf file.**

3 - **You will submit online homework through MyMathLab.** The due dates are listed in the program and you are responsible for keeping up with these.

4. **You will complete both a midterm and a final.** These will be written exams conducted in person. See the schedule for projected exam dates. The midterm will take place during class time. The final exam will be Monday, May 9, 10:30am-12:30pm. **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.**

Late work is not accepted. Instead, to account for absence, technology issues, etc., I will drop one low score from the written homework category. With this in mind, I will not be extending deadlines, re-grading online homework, or considering excuses regarding technology issues, etc. **You should submit assignments early and contact me with any issues**. That way we can resolve the problem before the item is due.

Course Student Learning Outcomes:
This course will explore linear equations, geometry, operations of integers, rational numbers, polynomials, and factoring.
Upon successful completion of the course, students will be able to:
1. Add, subtract, multiply, and divide positive and negative numbers, including integers, fractions, and decimals.
2. Use the correct order of operations when simplifying a numerical expression.
3. Solve linear equations in one variable.
4. Solve word problems involving linear equations in one variable.
5. Graph simple linear equations.
6. Calculate the slope of a line between two points.
7. Find the equation of a line from pairs of points or a point and a slope.
8. Simplify expressions with integer exponents.
9. Add, subtract, multiply, and divide polynomials.
10. Factor lower-order polynomials.
11. Simplify expressions using properties of exponents.
12. Rewrite line equations in different forms (slope-intercept, point-slope, standard).
13. Factor some types of polynomials.
14. Solve for a single variable in a proportion.
15. Solve for a single variable in a linear equation.
16. Solve for a specified variable in a formula.
17. Determine equations for lines in the three forms – standard, slope-intercept, and point-slope.
18. Sketch the graphs of linear functions.
19. Interpret slope in relation to variable coefficients and as a rate of change.
20. Analyze solutions to application problems and give them contextual meaning.
21. Perform unit conversions in U.S. Standard and Metric systems of measurement.
22. Solve problems including percent and interest.
23. Perform calculations in geometry including perimeter, area, volume, surface area, and circumference.
24. Simplify some radical expressions involving square roots.

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. Preferred operating systems are Windows or Apple. Some applications in MyMathLab work best while using Google Chrome, but make sure your Chrome browser is up to date.
- Adobe Reader and Adobe Flash Player. These two programs are needed to have full access to resources provided in MyMathLab. *Also, make sure you are allowing popups.*
- 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.
- Access to UNM Learn. You will use your UNM NetID to log into UNM Learn. You may access it directly via learn.unm.edu
- Basic 4 function calculator. This *cannot* be an app on your cell phone or mobile device.
- **A printer or access to a printer at the library, etc.**
- **A scanner or free scanner app to create pdf files**

Here are some of the reasons you may be dropped from the class:
- If you miss the first week of the semester – never log into UNM Learn or communicate with the instructor.
- **If you miss more than 3 class meetings during the semester.**
- If you show minimal progress during the first three weeks of the semester. Minimal progress can be defined as
    - Not having purchased access to the MML portion of the class and 14 day trial has expired.
    - Not submitting lecture notes or written homework.
- If you are not registered in MML and completing assignments by the end of the first week.
- If you don't submit 3 or more assignments (homework, lecture notes, projects, etc.)

If you added late, documentation of absences starts the day you registered for the class.

Expectations: Students are expected to conduct themselves in a polite, courteous, professional, and collegial manner in any online communications with the instructor or other students. Students are expected to do their own work on the assignments and tests. Students are expected to set aside dedicated time each week to work on their assignments. Students are expected to stay up with posted deadlines for this course.

Time for This Course: Plan to spend a *minimum* of 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. **Make a schedule now** and dedicate specific times during the week for this class. Do not lump this time all on the weekend, you need to give your mind time to absorb the new material, so space the time you dedicate to this class over three or five days per week. Your instructor may ask for you to submit a calendar showing how you plan to schedule time for this class.

Online Homework in Mymathlab and Written Homework:
- Online homework is assigned in MML with due dates based on the schedule. You will need to complete the assignments in MML by the deadlines listed in the program.
- Written homework can be found at the end of each of the sections in your book. You will need to access your etext through MML (unless you chose to upgrade and have a hard copy of the book). Complete these by hand and be sure to show all of your work with your solutions. You will need access to a scanner or a scanner app on a smartphone to submit these assignments.

Do not consider any of the grades posted in MyMathLab as representing your actual grade. Because there are written assignments you will be submitting Learn that are not part of the MML gradebook, those grades can be misleading. Use the gradebook in MML only to check your online homework and review what you missed.

Support: If you are struggling in this course, do not be afraid to ask for help! Here are some options:
- Ask My Instructor: Please use the Ask My Instructor button in MyMathLab. This button is available in the MML homework and sends a message to my email with a link to the question. Do not just send the link, tell me where in the problem you are struggling.
- Office Hours: See your instructor's 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.
- Study Groups: You may work together with other members of the class. However, if there is an assignment that is to be submitted individually, that assignment should be your work not copies from your group.
- Free Tutoring: The Math Center at Valencia campus has free tutoring available online to help with your course content questions as well as question about using tools. Send an email to tutor@unm.edu to schedule an appointment.
- 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

Equal Access: In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as I am not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Resource Center at 277-3506 for additional information.

If you need an accommodation based on how course requirement interacts with the impact of a disability, you should contact me to arrange an appointment as soon as possible. At the appointment we can discuss the course format and requirements, anticipate the need for adjustments and explore potential accommodations. I rely on the Disability Services Office for assistance in developing strategies and verifying accommodation needs. If you have not previously contacted them I encourage you to do so.

If you are a Valencia campus student, contact Equal Access Services at Valencia Campus, Cheryl Dilger at cdilger@unm.edu or Valencia Student Services. If you are a main campus student you can receive documentation from the main campus Accessibility Resource Center. I will not guarantee accommodation without the appropriate documentation.

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 is defined as:
> *"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.*

Title IX Statement: 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 pg. 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). 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

COVID-19 Health and Awareness: UNM is a mask friendly, but not a mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet UNM's Administrative Mandate on Required COVID-19 vaccination. If you are experiencing COVID-19 symptoms, please do not come to class. If you have a positive COVID-19 test, please stay home for five days and isolate yourself from others, per the Centers for Disease Control (CDC) guidelines. If you do need to stay home, please communicate with me; I can work with you to provide alternatives for course participation and completion. UNM faculty and staff know that these are challenging times. Please let us know that you need support so that we can connect you to the right resources and please be aware that UNM will publish information on websites and email about any changes to our public health status and community response

Note: The instructor for this class reserves the right to change the syllabus at any point during the semester.

Week of	Sections
Aug 22	8.1
	8.2
Aug 29	3.7
	4.5
Sep 5	8.5
	5.4
	5.5
Sep 12	5.6
	6.1
Sep 19	6.2
Sep 26	6.4
	6.5
Oct 3	6.6
	6.7
	Review
Oct 10	**Midterm Exam Tuesday, Oct 11**
	Fall Break Oct 13-14
Oct 17	9.1
	9.2
Oct 24	9.3
	9.4
Oct 31	9.5
Nov 7	11.1
	11.2
Nov 14	11.3
	11.4
Nov 21	12.1
	Thanksgiving Holiday Nov 24-25
Nov 28	12.2
Dec 5	Review
Dec 12	**FINAL EXAM Tuesday, Dec 13, 12:00pm-2:00pm**

Written homework Problems for Math 100

These are from your etext that can be located in MyMathLab. Submit these in addition to the task assignments, stapled to the back of each. Do these on your own paper, very neatly and clearly. Show all work and box/circle answers.

Submit with Task	Section and Problems
1	Sect. 8.1: (Page 539) #31, 59, (Page 540) # 107 Sect. 8.2: (Page 546) #41, (Page 547) # 53, 67
2	Sect. 3.7: (Page 226) # 85 & 91 Sect. 4.5: (Page 289) # 69 & 73
3	Sect. 8.5: (Page 579) #27, 34, (Page 580) #53, 59, 63, 65 & 71
4	Sect. 5.4: (Page 344) #33, 35 Sect. 5.5: (Page 353) #37, (Page 354) #63 Sect. 5.6: (Page 366) #89, 95
5	Sect. 6.1: (Page 391) #119, 128 (Page 392) #139 Sect. 6.2: (Page 401) #65
6	Sect. 6.4: (Page 420) #89, 91
7	Sect 6.5: (Page 432) #50, 55 Sect 6.6: (Page 445) #39, (Page 446) #61 Sect 6.7: (Page 454) #45, (Page 455) #54
between 7 and 8 (tba in class)	Sect 9.1: (Page 628) #19, (Page 629) #53, (Page 630) #65 Sect 9.2: (Page 642) #52,54, (Page 643) #67, 68, 95, 99, (Page 644) #123 Sect 9.3: (Page 653) #71
8	Sect 9.4: (Page 662) #49, 53, (Page 663) #103 Sect 9.5: (Page 671) #71
Between 8 and 9 (tba in class)	Sect 11.1: (Page 765) #49, 55, 59, 61, 65, (Page 766) #75, 77, 81 Sect 11.2: (Page 772) #51, 61, (Page 773) #85
9	Sect 11.3: (Page 783) #129 Sect 11.4: (Page 794) #49, (Page 795) #77
(tba in class)	Sect 12.1: (Page 826) #51, 55, 67, 71, 75 Sect 12.2 (Page 835) #93