



Welcome to Math 1996 Section 501 Problem Solving for Algebra Learners

Fall 2022

Instructor:

Cindi Goodman
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Office: LRC 109
Phone: 925-8573

Class Details:

T/Th 9:50 am-10:40 am
VCTC 108
CRN 65385

Instructor led study sessions

Mon/Wed 3:00 pm – 4:00 pm
Tues/Thurs 11:00 am – 12:00pm

Instructor led online study sessions

Thurs 1:30 pm – 2:30pm
or by appointment

Zoom link:

<https://unm.zoom.us/j/94360342143>
Password: mathhelp

MECS Division Chair:

Ariel Ramirez
aramirez8@unm.edu

Course Description

This course provides a grounding in study skills, college readiness, and self-efficacy, as well as provides support in prerequisite knowledge to support success in Math 099: Pre-Algebra. Think of this as a laboratory for you to find your “math brain”.

Course Goals:

The goals of this course include:

- Providing students with support in establishing a sense of strong self-efficacy and a growth mindset.
- Debunking “math myths” related to how mathematics is learned and who can learn math.
- Helping students explore the foundations of mathematics so that they have a strong grounding in prerequisite knowledge for future mathematics courses.
- Helping students discover how they can best learn mathematics – the supports and resources they can use in this and future mathematics courses.

Credit-hour Statement: This is a two credit-hour course. Class meets for two 100-minute sessions of direct instruction for sixteen weeks during the Fall 2022 semester. Please plan for a minimum of four hours of out-of-class work (or homework, study, assignment completion, and class preparation) each week.

Student Learning Outcomes/Course Objectives

The following are the objectives for the course. Each unit will have specific learning objectives listed on the Overview Page. The activities in that unit are developed so that you can demonstrate you have met these objectives. The objectives are numbered here, not because this is the order in which you will meet them but for ease of reference.

By the end of this course students will be able to:

- C1: Articulate what is meant by a “growth mindset”
- C2: Describe ways in which they can help themselves reach a stronger sense of self-efficacy when it comes to learning mathematics.
- C3: Devise a study plan that will help them in this and future mathematics courses.
- C4: Model addition, subtraction, multiplication, and division of real numbers (including integers and fractions).
- C5: Create a glossary of mathematical terms and explain their meaning.
- C6: Demonstrate critical thinking skills in solving mathematical problems.

Prerequisites and Co-requisites

Math 099: Pre-Algebra is a co-requisite course. Must be enrolled in Math 099 in the same semester.

Specific Course Requirements

Students are required to keep a binder to be used in this course and math 099. You will be using this binder to complete the final portfolio for this class.

TECHNICAL SKILLS AND REQUIREMENTS

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

- Use UNM Canvas
- Use email – including attaching files, opening files, downloading attachments
- Copy and paste within applications including Microsoft Office
- Use Microsoft Office applications to create, download, update, save and upload MS Word documents
- 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)
- Please update your contact information in Loboweb: 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. Contact the librarians for more information.

TECHNICAL SUPPORT

- For UNM Canvas 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

TEXTBOOK AND SUPPLEMENTAL MATERIALS

Required Textbooks:

None aside from the book required for your Math 099 class.

Required Supplementary Materials:

There will be some articles and videos for you to read for homework in this class. These will be available as links in UNM Canvas. Be sure you have the current version of Adobe Reader installed on your computer and are using a compatible web browser.

COURSEWORK AND PARTICIPATION

Instructor Response Time

I routinely check the course for postings or emails, Monday (7 am) – Friday (12 pm) 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

Each week you may have an article to read or a video/some videos to watch on the topic of the week. We will be having in class discussions and activities and participation is mandatory for participation credit. There will be some outside work for this course, but you are expected to complete in class activities before the next class. The links to these articles and/or videos can be found on the schedule at the end of the syllabus.

Late work: If you come to class on discussion days without having read the article(s) or watched the video(s) assigned you will lose participation points. Be sure that you have something to offer in these discussions based on what you learned from these materials. If you need to miss class days, be sure to find out about any activities or assignments completed during that class session. Late submissions that are not discussions will be accepted up to a week late but will likely be docked up to 10% of the points. If you miss a discussion, you cannot make up those participation points.

Notifying Instructor of Absences: If at all possible, email the instructor or send a course message before class if you are not going to make it. If you are not able to notify the instructor before class, contact your instructor as soon as you are able to find out about missed work and create a catch-up plan.

Course Schedule

What we will do each week in this class:

- Discuss the article or video for the week if assigned or watch a video in class
- Work on the glossary in your portfolio for this week's math terminology
- Work on a critical thinking group activity.
- These will be turned in each class for feedback. This will be part of your final portfolio.

Expectations for Participation

- Read the article(s) or watch the video(s) assigned each week (30 minutes to 1 hour estimated to complete. How long it takes you to read the articles will depend on your reading speed.
- Attend class each day.
- Participate in group activities and in discussions.
- Communicate with the instructor in a timely manner either through UNM email. Do not send confidential information through an email account that is not your UNM email or in Canvas.
- If you are having technical difficulties, take care of them as quickly as possible. Also alert the instructor as soon as you can if you are having difficulties. Sometimes a five-minute meeting with the instructor or technical support can resolve an issue with which you could struggle for hours. Do not wait to reach out for help.

Drop Policy:

- Students who do not attend during the first week of classes may be dropped from this class and Math 099.
- Students who miss more than three consecutive days during the first three weeks of class maybe dropped from this class and Math 099.
- Students who miss more than three days during the semester will be on notice and may be dropped from this class and Math 099.

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 099 or Math 1996, you will be dropped from the other class.

GRADING PROCEDURES

Attendance (signing into the class each day – 5 points per day)	150 points	30%
Participation (completing the in-class assignment etc. – 5 pts/day)	150 points	30%
Final Portfolio	<u>200 points</u>	<u>40%</u>
Total	500 points	100%

Expect to receive any submitted work back graded and with comments within two days of submission.

Grading Scale

Final Portfolio will include your completed Binder checks for 100 points and your Study Plan for life activity for 100 points.

Course Grade:

Percent	Letter Grade
89.5% or better	A or CR
79.5% to 89.4%	B or CR
69.5% to 79.4%	C or CR
69.4% or less	NC

Communication on change in modality: The university may direct that classes move to remote delivery at any time to preserve the health and safety of the students, instructor and community. Please check your email and your UNM Learn site regularly for updates about our class, and please check <https://bringbackthepack.unm.edu> regularly for general UNM updates about COVID-19 and the health of our community. If this occurs, there will be no in person office hours.

COVID-19 Requirements:

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 at []; 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.

UNM COVID-19 requirements are subject to change relative to guidance from the New Mexico Department of Health. Thank you for keeping the Lobo community safe!



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 for financial disenrollment dates.

<p><u>Equal Opportunity and Non-Discrimination</u></p> <p>Our classroom should always be one of mutual respect, support and kindness without fear of harassment or discrimination of any kind.</p> <p>My office is a Safe Zone area and students are welcome anytime I am on campus.</p> <p>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). 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. Read more about UNM policy regarding sexual misconduct.</p> <p><u>Copyright Issues</u></p> <p>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.</p> <p>The UNM Copyright Guide has additional helpful information on this topic.</p>	<p><u>Accessibility and Accommodations</u></p> <p>If you need accommodations, please reach out to me so we can make arrangements for your learning path. 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:</p> <ul style="list-style-type: none"> • UNM-Valencia Student Services if you are a Valencia campus student. The phone number is 505-925-8560 • UNM Accessibility Resource Center in 2021 Mesa Vista Hall if you are a main campus student. The phone number is 505-277-3506. <p>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.</p>	<p><u>Academic Integrity, Plagiarism, and Not Doing Your Own Work</u></p> <p>UNM has specific policies concerning academic dishonesty: https://policy.unm.edu/regents-policies/section-4/4-8.html</p> <p><u>What Constitutes Cheating:</u> Cheating is any behavior that short circuits <i>your</i> learning. This can range from mindlessly mimicking what you see in the readings or examples, to simply copying someone else's solution, to paying someone to complete the assignment or course for you. The use of any program or app like Chegg, Wolfram Alpha, PhotoMath and others on your computer or phone to copy down solutions for homework, quiz, or exam questions constitutes plagiarism and cheating. If you ask for help from someone other than the instructor or a tutor and then just copy down what they tell you, that is also cheating. In all your assignments you should demonstrate what you understand. If you do not understand, ask for help from your instructor!</p> <p><u>For Military Connected Students</u></p> <p>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 main campus at 505-277-3181, or by email at vrc@unm.edu. The Veterans Coordinator at UNM-Valencia is in the Student Services Office, at 505-925-8560.</p>
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TENTATIVE WEEKLY TOPICS, ARTICLES, AND VIDEOS

Schedule is Subject to change

Week	Dates	Topic	
1	8/22-8/28	Introduction	Ice Breaker Terms
2	8/29-9/4	Note Taking / Math Myths Handouts	In class activity Terms
3	9/5-9/11	Math Anxiety Study Strategies	In class activity Terms
4	9/12-9/18	Mindfulness Read before class Tuesday!	Facts about the effects of mindfulness by Shelley Kind and Stefan G. Hofmann, an article posted on Anxiety.org. November 10, 2014, February 10, 2016 Terms and Journal Entry
5	9/19-9/25	Critical Thinking in Mathematics Order of Operations	Anyone Can Be a Math Person Once They Know the Best Learning Techniques with Po-Shen Loh. Video published on YouTube by BigThink under the auspices of The Hertz Foundation Fellowship. March 19, 2017 Terms and Journal Entry
6	9/26-10/2	Mindset Presentation	In class activity Terms
7	10/3-10/9	Fraction Bingo	In class activity Terms
8	10/10-10/16	Logic games	In class activity Terms
9	10/17-10/23	Self-Efficacy Read before class Tuesday!	Self Efficacy and Why Believing in Yourself Matters by Kendra Cherry, in Personality Psychology published by verywellmind. May 17, 2020 Terms and Journal Entry
10	10/24-10/30	Story of Maths 1	In class activity Terms
11	10/31-11/6	Story of Maths 2	In class activity Terms
12	11/7-11/13	Story of Maths 3	In class activity Terms
13	11/14-11/20		
14	11/21-11/27	Create a Study Plan for Life!	Put together all you have learned about math myths, mindset, mindfulness, and self-efficacy to create a study plan for life! Terms
15	11/28-12/4		
16	12/5-12/11	Portfolio	Turn in Final Portfolio

Binder Requirements

Study Plan for Life Paper	100 points
Math 099	
Assignment page	10 points
Class notes	30 points
Tab 1	
Homework	2 each – 15 points
Quizzes	
Tab 2	
Project Assignments	2 each -- 12 points
Tab 3	
Math 1996 Handouts	10 points
Tab 4	
Math Terminology	10 points
Tab 5	
Math 099 Syllabus	10 points
Math 1996 Syllabus	10 points