

MATH 129 - Survey of Mathematics - Section 501 - Online Course

Instructor: Dr. Eva Rivera Lebrón

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MyMathLab Course Code: rivera42595

(Please use Messages for communication)

Office Hours:

Face-to-Face: I do not hold face-to-face office hours. However, I might be able to hold office hours at the Learning Commons some Friday mornings throughout the semester. I will send an announcement when this might take place.

Online: Tuesdays and Thursdays - 5:00 pm to 6:00 pm via Skype for Business.

I can be available sometimes in the evenings and on Sundays for online office hours but you will need to schedule ahead for these.

Other hours by appointment, with *at least* 24 hours' notice and my confirmation.

Phone: I do not have a telephone at UNM-Valencia. However, you can call the academic office at 505-925-8600 and they will give me your message. Please be aware that the best way to reach me is through Messages on Blackboard Learn.

Messages: Use Messages in the course menu on the left in Blackboard Learn. Please do not use email.

Email: I do not accept any responsibility for email sent through Outlook

A couple of side notes...

- I am teaching other classes, so your email might get lost in the inbox. To avoid this, please send any course communication through messages in BlackBoard. I will respond to them within 24 - 48 hours.
- If you need to contact me by phone, please be aware that it will direct you to the front desk at the Academic Office and they will pass along your message. Again, the best way to contact me is through messages in BlackBoard.
- I have a pretty hectic schedule during the week, so I try to keep the weekend for my family. Please be aware that if you send me a message during the weekend, I might not get back to you until Monday or the next business day (If Monday is a holiday). I will answer to your messages Monday through Friday.
- I will check messages Monday through Friday afternoon unless I am out of town. Expect a response within 24 hours to email messages sent Monday morning through Thursday evening. If you send me a message on Friday afternoon through Sunday I may not see it until Monday.

Course Prerequisite

In order for you to enroll in this course you will need to meet one of the following criteria:

- ACT score greater or equal to 22
- SAT score greater or equal to 510
- Grade of C or better in MATH 120
- Compass Algebra score greater than 54
- College Algebra placement score greater than 33
- Completed Math 102 or Math 120 (or a higher level mathematics course) with a C or better.

Check with your advisor to determine if you meet one of these requirements.

Course Overview

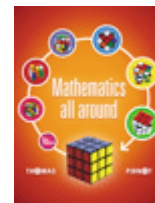
This course is designed to give an introduction to the variety and power of mathematics. We will explore some of the great ideas including logic, systems of numbers, sequences and series, geometry, and statistics. For some of you, several topics may be “easy,” for others these same topics may present a challenge, especially if it has been some time since you have done mathematics. We will emphasize problem solving and mathematics in the world, past and present.

Course Learning Objectives

You will find a list of the course learning objectives at the end of this syllabus.

Text and Tools - Required

- The text for this course is “Mathematics All Around,” 5th Edition, by Thomas Pirnot. We will cover sections from all chapters of the book. You will need to purchase the book with a **MyMathLab access code**, so buying this book used or renting it may not be the best options. On the other hand, the book is embedded as an e-text in MyMathLab, so you do not need to purchase a hard copy of the book unless you prefer not to read material on a computer or mobile device. There will also be assignments posted in MyMathLab. Be aware of deadline dates, they may not always be the same (ex. online quizzes may not always be due by midnight on a Sunday).
- This is an online course so internet access is required. In addition, you should be able to update the computer you use for the course and be able to install free software if needed. There will be assigned videos and readings that may require an up-to-date version of Adobe Reader or may use add-ons to your web browser. Most should be compatible with mobile devices.
- It will help if you have access to some sort of video camera. The one on your phone, if you have one, will be adequate.
- All assignments must be turned in through Blackboard Learn, so it would help if you have access to a scanner device.
- Most communications for this course, and activities, projects, and discussions will be posted in Learn. You should check in Learn at least once a week. I will post deadlines on the Calendar in Learn as well as provide you with a printed schedule.



Course Grade

Your Course Grade will come from:

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| • Homework assignments (mostly in MyMathLab) | 15% |
| • Quizzes in MyMathLab | 15% |
| • Activities and Discussion Postings | 20% |
| • Projects/papers | 20% |
| • Three (3) Module Exams | 30% |

Check Learn regularly for postings or changes of assignments and due dates.

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

- You will receive an A in the course if you have a weighted average of 90% or better.
- You will receive a B in the course if you have a weighted average of 80% to 89%.

- You will receive a C in the course if you have a weighted average of 70% to 79%.
- You will receive a D in the course if you have a weighted average of 50% to 69%.
- You will receive an F in the course if you have a weighted average less than 50%.
- You will receive a CR in the course if you have a weighted average of at least 70%.
- You will receive an NC in the course if you have a weighted average less than 70%.

I do not usually give a + grade unless you are on the borderline between two letters in which case I may give the C+ for example instead of the B-. I give the D+ instead of the C- because a C- is not a passing grade. **You must earn a C or better to pass this course.**

Homework Assignments – 15% of your course grade

Each week, for each unit except Unit 0, you will have a computational assignment due in MyMathLab. You must score at least a 60% on these assignments in order for the unit quiz to open. You can go back and redo these assignments as many times as you like to improve your score, even past the due date, so it is conceivable that you could score 100% on all of these. I will stop tracking your grade on these computational assignments just before finals week. There will be approximately 12 units, so the number of homework assignments does not correspond directly to the 15%. Each homework assignment will count 10 points, so take your score divided by the total possible points and multiply by 15% to see how much these assignments contribute to your course grade.

Quizzes in MyMathLab – 15% of your course grade

There is a quiz or test for each unit posted in MyMathLab. For the Unit 0 test *only* you will receive 10 points for completing it on time no matter what your score is. For all other quizzes you will receive the final score on that quiz as shown in MyMathLab. You must score at least a 60% on the corresponding computational assignment before the quiz will open. The deadlines for quizzes are fixed. You cannot work past deadline on these unless you request an extension. I will allow you up to 4 extensions on quizzes during the semester. This is extensions for up to 4 quizzes. I will not automatically give these extensions just because you missed a quiz deadline, you will need to request the extension. Also, I will review your quizzes, and if I disagree with the score MyMathLab gave you, I will adjust your score. There will be approximately 12 units, so the number of quizzes does not correspond directly to the 15%. Each quiz will count 10 points, so take your score divided by the total possible points and multiply by 15% to see how much these quizzes contribute to your course grade.

Activities and Discussion Postings – 20% of your course grade

Since this is an online class, you do not have the luxury of seeing your classmates in person, or me for that matter, during the week. The activities and discussions allow for interactions between you and your classmates. If you do not post to the discussion forums by the indicated due dates, you will not receive credit for that posting. I will provide a rubric in Learn for how I will assign points for these postings.

I hope you will find the activities fun, or at least interesting. They will pertain to the topic of the unit. For some units you will have both an activity and a discussion posting, for other units you will just have one or the other. Keep track of due dates in Learn! I will take the activities up to one week after the due date, but if an activity is late, your final score will be docked points.

I do not know yet exactly how many of these activities and discussions there will be, but your score out of the total possible points will count 20% of your course grade. Assume each individual activity or discussion posting is approximately 1% of your total course grade (i.e. there will probably be about 20 of these each worth 10 points).

Projects and Papers – 20% of your course grade

You will have 4 projects or papers to complete in this course. Descriptions of what you will need to do to complete these projects or papers will be posted in Learn. Each of these will be worth 100 points and your score out of the total 400 points will count for 20% of your course grade. In other words, each project or paper is worth 5% of your course grade. Please be aware that some of this projects will be done as a group work.

Module Exams – 30% of your course grade

The module exams will be written exams, not on the computer. You will need to take them in person. If you cannot come to Valencia Campus, you will need to arrange a proctor. The proctor must be someone who is officially employed at a testing center, a public library, or a school, or, if you are in the military or reserves, the proctor can be your commanding officer or designated representative. I must be able to verify their employment or rank. You will need to provide me with contact information at least two weeks before the exams are scheduled so that I can communicate with this person. There will be three of these, each worth 100 points, so each exam is worth 10% of your course grade.

Time to allot for this course: Plan right now to spend an average of 9 to 12 hours per week on the assignments for this course. This time cannot all be lumped on the weekend; you will need to spend some time during the week as well. There is no guarantee you will pass if you dedicate this amount of time, you still need to demonstrate understanding of the material and use your time wisely, but you will likely not pass if you don't spend enough time on the assignments.

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

- **Ask My Instructor:** Do not be afraid to click on the Ask My Instructor button in MyMathLab!
- **Office Hours:** I have office hours Monday through Thursday in various places. Feel free to come by or log into Skype for online hours or make an appointment to get help.
- **Form study groups:** You may work together with other members of our class. However, for work meant to be done individually and turned in for a grade, you will need to write what *you* know, not regurgitate a consensus of the group. ***For example, if I receive Project submissions from two or more people that are identical, and you did not inform me that you were completing it in a group, all students involved will receive a zero for that assignment.***
- **Free Tutoring:** The Learning Center has free tutoring and open labs. Call 505-925-8907 for more information. There is also tutoring available in the STEM center and I will be spending one hour a week there. Call 505-925-8553 for more information.
- **Other Tutoring:** If you do not live in the Albuquerque or Valencia County area you should explore other options for tutoring. There are generic online tutoring sites available on the Internet, but be aware that you often get what you pay for. In other words, if it is free, it may not be that great.
- **Online Resources:** In Blackboard Learn I will post various resources for you. These will include a link to Kahn Academy, a folder with SmartPen recordings that I have created, and a folder with lectures I

will create from time to time. Be sure to check out these resources and open the sample recording to make sure they work properly.

Plagiarism and Not Doing Your Own Work

It's a bad idea to plagiarize or to have other people do your work for you. Refer to the UNM-Valencia Catalog for the campus policy on "Dishonesty in Academic Matters." If I receive assignments from two or more people that are supposed to be done individually (for example, the homework assignments), and that are basically identical, you will *all* receive a zero for that assignment.

Netiquette and Behavior Expectations

One of the overriding principles in online conversations is to "craft your responses effectively." It is sometimes difficult to remember that there are real people reading posted messages. This is especially true of online communication where others do not have the opportunity to see body language or hear tone of voice; therefore, they have a greater possibility of misunderstanding what is meant.

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 which others will not consider foul or abusive. You may also use emoticons to convey a lighter tone.
- Respect your own 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 which 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 sounding angry. 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 in a calm and factual manner.

In the discussion threads in Blackboard Learn I will provide a thread for venting. These postings will be anonymous and will allow you to vent any frustration you are feeling about MML, the course, and math in general. Sometimes I may answer these posts if there is an issue that needs addressing.

ADA and 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 your accommodations are provided in a timely manner. The person to call for evaluation and documentation is Jeanne Lujan at (505)925-8910. Also, here is their web site so you can check out accommodations and support that is available to you: <http://www.unm.edu/~vcadvise/equalaccess.htm> .

Title IX Statement

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees.” This designation requires that any report made to a faculty member, TA, or GA regarding sexual misconduct or gender discrimination must be reported to the Office of Equal Opportunity and the Title IX Coordinator. For more information on the campus policy regarding sexual misconduct see:

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

Student Learning Outcomes for Math 129

Addresses UNM core area 2/HED Area II: Mathematics (Liberal Arts Math Competencies)

Upon completion of this course, students will demonstrate competence (70% or better) in the following areas:

Course Goal #1: Communication

SLO 1: Students will use correct mathematical notation and terminology.

SLO 2: Students will correctly interpret graphical representations of information.

SLO 3: Students will explain (orally and/or in writing) the steps needed to solve a problem. SLO 4: Students will analyze solutions to equations and formulas, and give them contextual meaning.

Course Goal #2: Problem Solving Strategies

SLO 1: Students will correctly solve a variety of mathematical applications.

SLO 2: Students will construct mathematical models of real world scenarios.

Course Goal #3: Mathematical Definitions and Symbols

SLO 1: Students will correctly use terms from set theory, symbolic logic, and number theory. SLO 2: Students will correctly interpret mathematical symbols and solve problems.

Course Goal #7: Statistics

SLO 1: Students will correctly read and construct graphs and tables from data.

SLO 2: Students will correctly interpret statistical measures and apply them to real world scenarios.