

Math 129: A Survey of Mathematics

Fall 2017 Section 501 CRN 59832

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Office Hours: Online: Wednesday 9:30-10:30 AM. You may call or contact me via computer during this hour or you may schedule an appointment. In addition, I will be scheduling additional office hours using Blackboard Collaborate during the semester. The times for these will vary to best meet the needs of the students.

Please feel free to contact me through Learn at any time and I will respond in a timely manner. If I do not respond, please feel free to call me. If I do not answer, please leave a message. I will be sure to call you back as quickly as possible.

Course Prerequisite: You must 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 or Math 102, COMPASS Algebra score greater than 54 or COMPASS College Algebra score greater than 33. Check with your advisor to determine if you meet 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. We will emphasize problem solving and mathematics in the world, past and present.

Student Learning Outcomes: *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:

NM HED Core Competency 1

By the end of the course, students will be able to investigate, represent and interpret data in different ways.

NM HED Core Competency 2

By the end of the course, students will be able to model and solve a variety of mathematical applications using various approaches.

NM HED Core Competency 3

By the end of the course, students will be able to write and support mathematical explanations using appropriate definitions and symbols.

NM HED Core Competency 4

By the end of the course, students will be able to apply and organize information in numerous representations of real world scenarios.

By the end of the course, students will be able to use proper mathematical notation and terminology to communicate mathematical phrases, concepts, and methods found in various areas of mathematics.

Text and Tools – Required

- The text for this course is “Mathematics All Around,” 6th 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 may not be the best options. 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 be assignments posted in MyMathLab. Be aware of due dates. They may not always be on the same day of week.
- 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.
- It will be help if you have access to some sort of video camera. The one on your phone, if you have one, will be adequate.
- Most communications for this course, activities, projects, and discussions will posted in Learn. You should check in Learn at least once a week.

Course Grade

Your course grade will come from:

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| • Homework assignments (mostly MyMathLab) | 15% |
| • Quizzes in MyMathLab | 15% |
| • Activities and Discussion Postings | 20% |
| • Projects and Papers | 20% |
| • Two Module Exams | 30% |

See letter grades for your weighted average below.

90% - 100%	A	
80% - 89%	B	
70% - 79%	C	I typically do not give + or – unless you are on the borderline between
60% - 69%	D	between two grades. You must earn a C or better to pass the course.
Less than 60%	F	
70% - 100%	CR	
Less than 70%	NC	

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 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 doesn't necessarily correspond 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 your 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 the quizzes are fixed. You cannot work past the deadline on these unless you request an extension. I will allow you up to 4 extensions on quizzes during the semester. I will not automatically give these extensions just because you missed a quiz. You will need to contact me for an extension. There will be approximately 12 units, so the number of quizzes doesn't correspond directly to 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 your quizzes contribute to your course grade.

Activities and Discussion Posts – 20% of your course grade

Since this is an online course, you do not have the luxury of seeing your classmates or me in person. 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 the 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 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 activities up to one week after the due date but your score will be docked for being late. To estimate your grade, you can count each activity and discussion post as about 1% of your overall grade.

Projects and Papers – 20% of your course grade

You will have three 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 300 points will count for 20% of your course grade. In other words, each project or paper is worth 6.7% of your course grade.

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 or Zimmerman Library at main campus during one of the times I offer for you to take the midterm, 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 exam is scheduled so that I can communicate with this person. There will be two of these, so each exam is worth 15% of your course grade.

Time to allot for this course:

Be sure to plan on spending an average of 9 to 12 hours per week on this course. There is no guarantee you will pass if you spend that much time; you will still need to demonstrate an understanding of the material, 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. My goal is to have everyone pass this class. There are many support services available to assist you.

- **Ask My Instructor:** Do not be afraid to click on the Ask My Instructor button in MyMathLab. I am here to help!
- **Office Hours:** Feel free to call me or email during office hours but you can make an appointment to call me or you can email me at any time to get help. I will try to respond quickly.
- **Form Study Groups:** You may work together with other members of our class. However, work must be done individually and turned in for a grade. You will need to write what **you** know and not just regurgitate a consensus of the group.
- **Free Tutoring:** The Learning Center at UNM-Valencia has free tutoring and open labs. Call 505-925-8907 for more information. There are also generic online tutoring sites available on the internet.
- **Online Resources:** There are some resources posted in Learn. There is a link to the Kahn Academy and other sources.

Plagiarism and Not Doing Your Own Work

Refer to the UNM-Valencia Catalog for the campus policy on “Dishonesty in Academic Matters.” If I receive assignment from two or more people that are supposed to be done individually and that are basically identical, you all will receive a zero for the 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.
- 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 your 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 Learn, I will provide a thread for venting. These postings will be anonymous and will allow you to vent any frustration you are feeling with MyMathLab, 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 accommodations are provided in a timely manner. The person to contact for evaluation or documentation is Jeanne Lujan at 505-925-8910. There is also a website available at <http://www.unm.edu/~vcadvise/equalaccess.htm>.

Title IX Statement

In an effort to meet the 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>