

MATH 100: Introduction to Algebra - Fall 2018 (Lecture Class)

Instructor: Mathias Bali

email: mbali@unm.edu

Office: A107

Phone: 925-8625

Messages: 925-8600(Academic office)

OFFICE HOURS

I will be on campus Mondays and Wednesdays from 7:30 AM to 4:20 PM but will hold schedule office hours as indicated below:

- In my office, A107:
 - Mondays and Wednesdays 7:30 AM to 8:40 AM
 - Saturdays 8:15 AM to 9:30 AM and 12:15 PM to 1:20 PM
- Math Center:
 - Monday and Wednesday 11:50 AM to 1:00 PM

Other hours by appointment. Be sure to check my weekly schedule posted in Learn.

| Section | Class Time | Meeting Days | Meeting Location | MML Course Code |
|-----------|--------------------|--------------|------------------|------------------------|
| 502 | | | | |
| CRN 53645 | 01:05 am – 02:45pm | M/W | VAAS – 124 | Given on the first day |

COURSE DESCRIPTION: This is a pre-college mathematics course. Topics covered include linear equations, polynomials, factoring, formulas, graphing, and applications problems and include a skills laboratory. (4 Credit Hours).

Prerequisites/placement: Minimum ACCUPLACER score of 57-101 (Arithmetic), or math ACT score of 16. Co-requisite: MATH 193: Critical Thinking for Math.

COURSE STUDENT LEARNING OUTCOMES:

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. Use Scientific Notation in elementary arithmetic calculations.
10. Add, subtract, multiply, and divide polynomials.
11. Factor simple polynomials.

COURSE MATERIALS:

Textbook: "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 18-week access code for a lower price, but you *cannot* upgrade to the lifetime code once you purchase the restricted one.

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).

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.
- Administrative rights to download free software or plug-ins or add-ons on the computer you plan to use for this course. The first time you login to the MyMathLab (MML) homepage run the Installation Wizard to make sure you have all the appropriate software installed. 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. will use your UNM NetID to log into UNM Learn. You may access it directly via learn.unm.edu
- Standard or Scientific calculator. This cannot be an app on your cell phone.
- Adobe Reader (a free download), preferably version 11.0 or better.

ATTENDANCE/NOTES/PARTICIPATION:

- You are expected to be on time to each class and stay the entire class, have the necessary course materials on hand, and participate in the lecture and/or group activities to receive full credit for attendance each day.

Absences: I do not require you to give me any sort of documentation for missing up to 3 class days. Even if you miss class, you are still expected to complete the assignments posted in MML. You will only be excused for any in-class activity we did.

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

- If you miss the first week of the semester.
- If you have 3 or more absences during the first three weeks of the semester.
- If you are not registered in MML and completing assignments by the end of the first week you are in the class.

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

- **EXPECTATIONS:** Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. **Cell phones must be set on silent and be out of sight during class. No food or drink is allowed in the computer labs.**
- **Time for This Course:** 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.

HOMEWORK:

- Homework is assigned nearly every week based on the first 13 units in the course outline. Weekly assignments in MML must be completed not later than beginning of class of the next week for full credit. **Each homework assignment is worth 25 points.** This means you may miss one of the unit homework assignments, and your grade will not be affected. A 10% penalty may be incurred if your homework is late. You will not be able to go back to improve your grade after the due date.

MATH CENTER CHAPTER WORKSHEETS:

- Worksheets done in the Math Center, located in the Learning Commons, will be due no later than a week after they are assigned. These worksheets will help you practice and reinforce what has been covered in class. **Each worksheet is worth 30 points and covers a chapter in class.**
- Worksheets will be available in the Math Center from opening Monday morning until closing Friday, and must be completed, checked and signed by a tutor, and turned in at the Math Center.

EXAM:

- One exam will be given during the term. Students are expected to clearly show their work. The test will be a paper/pencil test where students are expected to show all work to get full credit. A formula sheet will be provided for each exam. The formula sheet must be submitted with the exam.
- You can make corrections to the test to improve your grade only if the practice test is **completed and turned in** when the test is taken. To earn back up to half the points missed, corrections need to be made on a separate sheet of paper. The correction paper is vertically divided in half: The problem must be reworked on the LEFT side of the paper, and the RIGHT side must contain your verbal explanation of what was done incorrectly on the quiz for that problem.

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

- Ask My Instructor: Please use the Ask My Instructor button in MyMathLab. This button is available in the computational assignments and in the quizzes 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 my office hours listed at the beginning of this syllabus. Feel free to come by or 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 and open labs. Call 505-925-8907 for more information. CAPS on main campus also provides tutoring for which I can get documentation.
- Online Resources: In Blackboard Learn I will post various resources for you. Be sure to check out these resources!
- 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](#)

OTHER IMPORTANT INFORMATION:

Equal Access: 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. It is up to you to obtain documentation of a disability. If you are a Valencia campus student, contact Equal Access Services at Valencia Campus, Jeanne Lujan at (505)925-8910 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.

Collegial Behavior: Since I assume you are all adults, I will expect from you respectful adult behavior. Engaging in disruptive or unruly behavior could result in your being asked to leave, at which time you will be counted absent and a referral will be sent to the Associate Dean of Student Services. Continuing to behave in this way could result in your being dropped from the course. Disruptive or unruly behavior includes but is not limited to:

- texting or talking on your cell phone at any time during class,
- continually talking with your neighbor when we are not working on a group activity,
- working on homework from another class,
- reading material or watching media on a mobile device not related to this course or at a time that is inappropriate,
- refusing to participate in the class activities.

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 Student Handbook (The Pathfinder) for UNM's policy on [Academic Dishonesty](#).

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>

COURSE AVERAGES:

| | |
|--------------------------------------|------------|
| Attendance/Notes/Class Participation | 50 points |
| Homework | 300 points |
| Math Center Chapter Worksheets | 150 points |
| Exam | 200 points |
| Cumulative Final Exam* | 300 points |

Total **1000 points**

***You must score at least a 70% on the final exam *and* have a course average of 70% or better (700 or more total points) to earn a passing grade in the course.**

GRADING SCALE: While you will receive credit toward establishing a full-time load for financial aid purposes for Math 100, this course is NOT accepted to satisfy UNM core degree requirements. Students in this course will receive the following grades:

| Letter Grade | Overall Course Score |
|--------------|----------------------|
| A | 90% or better |
| B | 80% to 89% |
| C | 70% to 79% |
| CR | 70% or better |
| NC | Less than 70% |

Math 100: Introduction to Algebra (Fall 2018) (*Course outline is subject to change*)

| Week | Dates | Sections / Topics | Assignments |
|------|------------------|--|-------------------------|
| 1 | 8/20-8/22 M/W | Introduction <i>Unit 1: Sec. 2.1, 2.2, and 2.3</i> | |
| 2 | 8/27-8/29 M/W | <i>Unit 2: Sec. 2.4, 2.5, 3.1, and 3.2</i> | MML Unit 1 Homework due |
| | 8/31 F | Last day to add a course (5pm) | |
| 3 | 9/3-9/5 M/W | Labor Day 9/3 (No Class) <i>Unit 3: Sec. 3.3</i> | MML Unit 2 Homework due |
| | 9/7 F | Last day to drop a course without a grade (5pm) | |
| 4 | 9/10-9/12 M/W | <i>Unit 4: Sec. 3.4, 3.5, and 3.6</i> | MML Unit 3 Homework due |
| 5 | 9/17-9/19 M/W | <i>Unit 5: Sec. 8.1, 8.2, and 8.3</i> | MML Unit 4 Homework due |

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|---------------------------------|--------------------|---|--------------------------|
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| 6 | 9/24-9/26 M/W | <i>Unit 6: Sec. 8.4, 8.5, and 8.6</i> | MML Unit 5 Homework due |
| 7 | 10/1-10/3 M/W | <i>Unit 7: Sec. 8.8</i> | MML Unit 6 Homework due |
| 8 | 10/8-10/10 M/W | Review Exam #1 | |
| 10/11 - 10/14 Fall Break | | | |
| 9 | 10/15-10/17 M/W | <i>Unit 8: Sec. 9.1, 9.2, and 9.3</i> | MML Unit 7 Homework due |
| 10 | 10/22-10/24 M/W | <i>Unit 9: Sec. 9.4 and 9.5</i> | MML Unit 8 Homework due |
| 11 | 10/29-10/31 M/W | <i>Unit 10: Sec. 9.6 and 11.1</i> | MML Unit 9 Homework due |
| 12 | 11/5-11/7 M/W | <i>Unit 11: Sec. 11.2 and 11.3</i> | MML Unit 10 Homework due |
| 13 | 11/12-11/14 M/W | <i>Unit 12: Sec. 11.4 and 11.6</i> | MML Unit 11 Homework due |
| 14 | 11/19-11/21 M/W | <i>Unit 13: Sec. 12.1</i> | MML Unit 12 Homework due |
| 15 | 11/26-11/28 M/W | <i>Unit 14: Sec. 12.2, 12.3, and 12.4</i> | MML Unit 13 Homework due |
| 16 | 12/3-12/5 M/W | Review | |
| 17 | 12/10 | Final Exam Week | |