

Math 103 Intermediate Algebra Part III Summer 2019

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Office: Adjunct Faculty Offices (Academics Bldg) Cubicle 17

OFFICE HOURS: In the Math Center/LRC Wednesdays 3:00pm to 4:00 pm

Section	Class Time	Meeting Days	Meeting Location	MML Course Code
502	10:30 – 11:20	Mon/Wed	AS-141	Godfrey25325

COURSE OVERVIEW: This sequence of one-credit-hour courses (Math 101, 102, and 103) provides preparation for MATH 121, 129 and STAT 145. Emphasis is on problem solving skills. Though this course is acceptable as credit toward graduation from UNM-Valencia, and provides a math requirement for many Associate Degrees and Certificates, it does **not** satisfy UNM core or group requirements.

Course Student Learning Objectives that apply to all three courses: Upon successful completion of this course, students will be able to:

- Apply solution methods learned to “real-world” problems.
- Analyze solutions and give them contextual meaning.
- Communicate or present mathematical concepts using correct mathematical notation and terminology.
- Correctly use vocabulary related to functions.

MATH 103: Intermediate Algebra Part III

Course Prerequisite: Grade of C or better in Math 102.

MATH 103 Course Description: Math 103 includes simplifying radical and rational expressions, solving radical and rational equations, introduction to the exponential and logarithm functions. Completion of Math 103 with a grade of C or better satisfies the prerequisite for MATH 121. There are **184 topics** in the ALEKS pie for Math 103.

Math 103 Course Student Learning Objectives in regard to skills acquisition:

Upon successful completion of this course, students will be able to:

- Sketch the graphs of quadratic, exponential, and logarithmic functions.
- Find equations for quadratic models and solving quadratic equations.
- Factor polynomials.
- Correctly use function notation.
- Be able to determine function values for given domain values, and determine domain values for given function values.
- Determine domains for functions.
- Solve radical and rational equations.
- Rewrite exponential functions in logarithmic form and vice versa.
- Solve exponential and logarithmic equations using equating bases.

COURSE MATERIALS:

Textbook: "Developmental Mathematics," 2nd edition, by Sullivan, Struve, Mazzarella.

Required: Appropriate MyMathLab (MML) access code (do not purchase a generic code, in this case the code is book specific). ***It is recommended that you purchase the lifetime code.*** 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. Course IDs are listed above for each course.

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 paper copies of the book on reserve for use in the library (you will not be able to take home the book from the library). The books on reserve are bound in individual sections of two to four chapters. **Be sure to request which chapter you need when checking out the book.**

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.
- 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
- Scientific calculator. This cannot be an app on your cell phone or mobile device.
- Adobe Reader (a free download), preferably version 11.0 or better.

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. Also, a portion of your Participation Grade will be determined by the amount of time you are working on the course materials each week.

ATTENDANCE POLICY:

Absences: I do not require you to give me any sort of documentation for up to two (2) absences, they will be automatically excused. However, even if you miss class, you are still expected to show progress (see above). Once you have used up your three absences, you cannot have any more absences excused.

- 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.

- Grading for Attendance:
 - 1) 10 Points for full class time
 - 2) 7 Points for showing up Late
 - 3) 5 Points for emailing me that you will not make it
 - 4) 0 Points for no show

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

- If you miss the first week of the semester or the first week after you register for the class.
- If you have 2 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.

Do not expect me to drop you. If you decide you cannot fulfill the requirements for this class and want to drop yourself, be sure to process a drop (either online or with a form at the Registrar's office).

PROJECT: There will be one project for you to complete. It will show up on the schedule in the unit corresponding to the concepts addressed. This project may be completed in groups, if you have permission from me ahead of time. ***If you do not ask for permission to complete the project in a group, and I receive papers from two or more people that are nearly identical, all the parties involved may receive a 0 for the project.*** The purpose of this project is to ensure you understand how to apply the mathematical concepts from that unit, so everyone will approach the stated problem in a slightly different way. Make sure, even if you work in a group, that the project solution you turn in is your best work. The Project grade will be your percent earned out of 100%.

FINAL EXAM: The final is a departmental exam that will test you over all, or nearly all, of the learning objectives for this course. You must take the final in class or in the Testing Center.

You are allowed to take the final *only once*.

You must score a 70% or better on the Final Exam to earn a passing grade in this class.

You must also have a 70% course average to earn a passing grade, but if you have been attending class, completing assignments, and showing progress, this should not be a problem.

COURSE GRADE:

Your Course Grade will be determined by a weighted average of the grades you earn in each category listed below.

• Attendance	10%
• MML Homework	25%
• In class assignments	25%
• Project	10%
• Departmental Final	<u>30%</u>
<i>(Cumulative for Math 102 and 103)</i>	
TOTAL	100%

You must score at least a 70% on the final exam *and* have a course average of 70% to earn a passing grade in each course.

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

Letter Grade	Final Exam score AND Course Weighted Average
A	70% or better AND 90% or better
B	70% or better AND 80% to 89%
C	70% or better AND 70% to 79%
CR	70% or better AND 70% or better
D+	Less than 70% AND 70% or better
D	Any AND 60% to 69%
F	Any AND Less than 50%
NC	Any AND 69% or less

SUPPORT SERVICES: Math Center tutors are available in the Learning Commons M-Th from 8:00 to 5:00, and Fridays 8:00 to 1:00 (925-8907). There are also open computer labs on campus for students' use. The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials.

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 make an appointment to get help.
- Form study groups: You may work together with other members of our class. However, for your Guided Notes and other work meant to be done individually, if they are too much alike, all parties involved will lose points. ***For example, if I receive Guided Note submissions from two or more people that are identical, all students involved will receive a zero for that assignment.***
- 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.
- 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:

DISABILITY STATEMENT: 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 accommodations are provided in a timely manner. The Equal Access Office can be reached at 925-8510.

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 requirements interact 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, 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.

TITLE IX: 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/universitypolicies/2000/2740.html>

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.
- During a quiz or exam, cell phones must be turned **off** and be out of sight. No personal electronic devices are allowed. A calculator is allowed if appropriate (some quizzes or portions of the final exam will have a restriction on calculator use). If you leave for any reason during a quiz or exam, your paper will be collected and you will not be allowed to continue working on that exam or quiz.
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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.

UNM'S POLICY ON ACADEMIC HONESTY: 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, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been 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 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; and misrepresenting academic or professional qualifications within or outside the University.

week	Unit	sections	Assignments
1	10	15.2,15.3,15.4	MML Homework Unit 10 Part A Due Sunday 6/9/2019
2	10	15.5, 15.8	MML Homework Unit 10 Part B Due Sunday 6/16/2019
3	11	13.1,13.2	MML Homework Unit 11 Part A Due Sunday 6/23/2019
4	11	13.3,13.7	MML Homework Unit 11 Part B Due Sunday 6/30/2019
5	12	14.1,14.2	MML Homework Unit 12 Part A Due Sunday 7/7/2019
6	12	14.3,14.4	MML Homework Unit 12 Part B Due Sunday 7/14/2019
7	13	14.7,17.2,17.3	MML Homework Unit 13 Part A & B Due Sunday 7/21/2019
8		Review & Final	Review & Final

Schedule is subject to change