Math 101/102/103, Intermediate Algebra
Section 504 Fall 2015
Syllabus

Instructor: Elaine W. Clark **Office:** Academic Bldg. Room 142A

Office Hours:

Face-to-Face: Tuesday 2:30 to 4:15 PM; Thursday 4:30 to 5:30 PM.
STEM Center: Tuesday 1:30 to 2:30 PM
Online: Monday 10:30 AM to 1:00 PM; Thursday 4:30 to 5:30 pm. Log in as a guest to https://meeting.unm.edu/ewclarkonline/ for online office hours.
Other hours by appointment.

Phone: 925-8618 (my office, yes I have voice mail), 925-8600 (Academic office)
email: ewclark@unm.edu or send a message in UNMLearn. I will check email Monday through Thursday afternoon unless I am out of town, and *usually* on Fridays. If you send a message over the weekend (Friday through Sunday), I will likely not see it until Monday morning.

Course Prerequisites: Appropriate placement score or C or better in Math 100

Course Overview

This course provides preparation for MATH 121, 129 and STAT 145. Emphasis is on problem solving skills. Though this course is acceptable as credit toward graduation, and provides a math requirement for many Associate Degrees and Certificates, it does not satisfy UNM core or group requirements.

- **Math 101** includes equations and inequalities, applications and problem solving with linear equations, linear functions and the graph of a line, percent, perimeters, and areas of simple geometric shapes.
- **Math 102** includes quadratic equations, properties of exponents and scientific notation, simplifying polynomial expressions, factoring and introduction to functions. **(Prerequisite for MATH 129 and STAT 145)**
- **Math 103** includes radical expressions and equations, rational expressions and equations, the exponential and logarithm functions. **(Prerequisite for MATH 121)**

Student Learning Outcomes

Upon successful completion of the course:

1. Communication: Students will use proper mathematical notation and terminology to communicate mathematical phrases.
2. Solve various kinds of equations: Students will solve a variety of equations from systems of two linear equations, to polynomial, rational and quadratic.
3. Working with functions: Students will correctly use function notation and be able to find the value of a function for a given domain.
4. Working with graphs: Students will sketch graphs of linear, quadratic and exponential functions.
5. Modeling and solving real-world problems: Students will use formulas and equations to

solve real-world problems.

Text and Tools - Required

There is not a textbook associated with this course. All text-type materials are embedded in the ALEKS program, **so you will need high-speed internet and the ability to upload free software to access the online materials.**

- You will need to register for our course at http://www.aleks.com . **If you have not already done so, you must register for ALEKS by the beginning of the 2nd week of classes or risk being dropped from the course.**
  Math 101 course code: N4X3P-TPF3D
  Math 102 course code: V6LCV-TL94C
  Math 103 course code: VUWEA-R96YJ
- You will need an ALEKS account. If you have used ALEKS before you can use the same account you created the first time you used it.
- You will need a Student Access Code which will be available in the bookstore very soon, or, if you wish to save some money you can purchase the access code only through ALEKS. You will need a credit card to purchase the code online. You can still register for the course even if you cannot purchase an access code right now. I will distribute a Financial Aid Access Code on the first day of class.

Once you register, make sure you have all the appropriate software installed on your computer. There may be a plug-in you will need to install for the program to work properly with your web browser.

- You will need access to UNM Learn. This is the primary program we will use for communication in the class. You will use your UNM NetID to log into Learn. You may access it directly via http://learn.unm.edu
- You may use a *scientific* calculator for this course unless it is otherwise announced. **Cell phone calculators or sharing calculators will *not* be allowed on exams.**
- Also, you need to keep a notebook for this course. You can use a bound notebook or a binder with filler paper, but you want to be able to organize the notebook so you can easily find your notes for each section. Please do not use this notebook for any other course.

Grading Scale for each course. Grades for Math 102 are independent of any Math 101 scores and similarly the grade for Math 103 is independent of any scores from Math 101 or 102. (Note: + and – are possible.)

A	90 – 100%
B	80 – 89%
CR	70–79%
NC	<70%

Your grade for each course will be a weighted average of your averages in the following categories:

Attendance and Topic Mastery	30%
Quizzes and In-Class Projects	20%
Cumulative Final Exam	50%

- **Students must receive at least a 90% on the Math 101 final to proceed to Math 102. This is not negotiable.**
- **Students must receive at least an 80% on the Math 102 final to proceed to Math 103, Math 129 or Stat 145. This is not negotiable.**
- **Students must receive at least a 70% on the Math 103 final to proceed to Math 121. This is not negotiable.**

<u>Important Dates</u> for Fall 2015:

- Friday, August 28 — Last day to add a course or change sections
- Friday, August 28 — Last day to change grading option (via LoboWeb)
- Friday, September 4 — All Sections up through Properties of Real Numbers completed by 12:00 noon
- Friday, September 4 — Last day to drop without a grade (100% Refund)
- Monday, September 7 — Labor Day Holiday – no classes
- Friday, September 11 — Last day to change grading option (with form-in person)
- Thursday/Friday, October 8 & 9 — Fall Break – no classes
- Thursday, October 15 — Last day to register for Math 102
- Thursday, October 29 — Last day to register for Math 103
- Friday, November 6 — Last day to withdraw without the Dean's permission
- Friday, December 4 — Last day to withdraw with the Dean's permission
- Thursday, December 10 — Last day to complete final exams and receive a grade other than W or NC

<u>Homework, Quizzes, Projects, and Finals:</u> This course is computer-based and mastery-based, but it is not self-paced. Students will be required to make sufficient progress each week or risk being dropped from the course. Please seek help from tutors or instructors as needed.

- Computational work will be done in ALEKS. Practice problems need to be worked in an orderly fashion in a single notebook. Make sure you label your work appropriately in your notebook, so you can find it later.
- Written quizzes need to be taken at the end of each major section. These need to be scheduled with the instructor at least 24 hours in advance. A calculator and a 3x5 card will be allowed for the quizzes.
- There will be weekly in-class projects involving mathematical applications. These are also part of your grade.
- Practice problems for the final exams for each course will appear in Learn.
- A calculator and a 3x5 card will be allowed for the final exams.

<u>Attendance</u>: Attendance means that when you are on the computers you are working on ALEKS. If you have headphones you may start up Pandora or another online program to listen

to music, but you must actually be working in ALEKS. As long as you stay on task in class, you will receive 5 points in this portion of your grade.

Absences: If a student misses 2 classes in the first two weeks or 3 consecutive class periods or 5 total, the student may be dropped from the class. If you are absent, you cannot make up those 5 attendance points for that day, and you bear full responsibility for the material and procedural information covered in class, and any in-class projects completed on the day you missed.

Topic Mastery: After you take the initial diagnostic assessment I will ask you to plan out how you will complete the topics in ALEKS for this class, based on your ultimate goal for the semester. As long as you stay on track with this plan, or have discussed with me why you are off track and how you will get back on track, you will receive 5 points each week for completing the number of topics in your pie. For example, if you plan to complete all three courses by the end of this Fall semester, you may need to complete 8 to 10 topics each week in your pie. If you stay on track with this, and complete that many topics in a week, you will receive the 5 points for Topic Mastery. If you do not complete the number of topics you had set for your goal, you will be docked by a percent of the ones you did complete.

Projects: Approximately every week I will ask you to work on a short project or activity with others in the class. Depending on how much work is required for these projects, the scores can be either 10 points or 100 points.

Quizzes: As you complete each of the major sections in your pie, I will give you a written quiz on some of the concepts. Each of these quizzes will be at the beginning of class and will count for 10 points in this category.

Support Services: The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audiotapes and videotapes are available for student use through the library. Students can schedule appointments for STEM Center tutoring at (505) 925-8515. The Learning Center (925-8907) and TRiO also offer tutoring at no cost to the student. Students who miss tutoring appointments may be denied future appointments.

Behavior Expectations: Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be set on silent. Please step into the hall if you need to take a call during class. Cell phones must be turned off during exams. If you take a call during an exam or quiz, or leave the room for any other reason, your paper will be collected and you will not be able to finish it.

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

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.

ALEKS customer support:
Phone: (714) 619-7090
Email: http://support.aleks.com
Hours (Eastern Time):

- Sunday 4:00 PM to 1:00 AM
- Monday through Thursday 7:00 AM to 1:00 AM
- Friday 7:00 AM to 9:00 PM