MATH 101/102/103 – Section 501 in S200

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Office: A-123   **Phone**: 505-925-8643
Office Hours: **STEM Center:** MW 8:00 am – 10:00 am **&** 1:20 pm – 2:20 pm
                       A-123: M-TH 8:00 am – 9:00 am, or by appointment

Course	ALEKS Course Code	Financial Aid Course Code
MATH 101	**A94LV-MTCXA**	**766EC-D7323-B6C26-A07B8**
MATH 102	**CVA3F-MFCNX**	**521EA-AC97B-FC3F3-FF930**
MATH 103	**ER9TL-NTUA3**	**DB07B-1E0F4-89B07-96598**

COURSE DESCRIPTIONS for Math 101/102/103: Preparation for MATH 121, 129 and STAT 145. Emphasis on problem solving skills. Acceptable as credit toward graduation but not acceptable to satisfy UNM core or group requirements. Completion of Math 100 or test placement.

- **Math 101** includes equations and inequalities, applications and problem solving with linear equations, linear functions and the graph of a line, percent, perimeters, 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)**

COURSE 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.

COURSE MATERIALS:

- **ALEKS Student Access Code:** This code will provide you access to all of the online materials for the course that will be required for the course. http://www.aleks.com/ **You must register for ALEKS by the beginning of the 2nd week of classes or risk being dropped from the course.**
- **Notebook, pencil, calculator:** If a student chooses to use a spiral/bound notebook for this course, it may not be shared with another class. A scientific calculator will be desired. Students may use a calculator unless otherwise announced. Calculators on phones will not be allowed on the final. Students may not share a calculator during exams.

GRADING SCALE for <u>each</u> 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%

Attendance, Class Participation and Topic Mastery	**30%**
Quizzes and Group Projects	**20%**
Cumulative Final Exams*	**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.

IMPORTANT DATES with respect to this class:

MLK Day (No classes): Monday January 19, 2015

ALL Sections up through Properties of Real Numbers completed by Noon, Friday, January 30, 2015

Last date to drop without a grade: Friday, January 30, 2015

Spring Break: March 8th – 15th, 2015

Last date to drop without Dean approval: Friday, April 10. 2015

Last Possible date for **Final Exams: Monday, May 4, 2015** in **SCC 200** from **10:30 am – 12:30 pm**

THE COURSE: Homework, Quizzes, Projects, and Finals: This course is computer-based but 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.

- Work will be done in ALEKS. Practice problems need to be worked in an orderly fashion in a **single notebook**.
- 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 In-Class Group Projects involving math applications. Details to be announced.
- Practice Finals for each course will appear in Blackboard. There will be a review available also on ALEKS.
- A calculator and a 3x5 card will be allowed for the finals.

ATTENDANCE POLICY: 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. Each absence will result in a 5% reduction in the Attendance & Participation grade. The student bears full responsibility for the material and procedural information covered in class.

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. The online tutor, Ryan Baltunis, can be reached at 925-8553 or found in LRC 118. Students who miss tutoring appointments may be denied future appointments.

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.

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.

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