Math 120 – 504 Intermediate Algebra Spring 2018 CRN 46835

Instructor: Mathias L Bali **email:** mbali@unm.edu **Phone:** 925-8500 Ext 5825
Office: A107 **Messages:** 925-8600 (Academic Office)
OFFICE HOURS: Mon&Wed 8.15 am to 10.15 am (in A107); Tue&Thur 12:00 to 1:00 (in A107), 1.15 – 2.15 (at Math Center).
Class Meetings: The class shall meet Tuesday and Thursday from 12.00 to 1.15 pm at VAAS 127.

I will check email at least once every day especially on weekdays (Monday to Thursday), Some weekends I might be out of town. If you send a message over the weekend (Friday through Sunday), I there is likelihood I will not see it until Monday morning.

I am on campus Monday through Thursday usually from 8:00 AM to 3:00 PM (except class times). My dedicated office hours are listed above, but please make an appointment if you want to come by at an alternate time. Check my weekly schedule posted in Learn.

COURSE DESCRIPTION:
Math 120 covers linear equations and inequalities, polynomials, factoring, exponents, radicals, fractional expressions and equations, quadratic equations, perimeters, areas of simple geometric shapes, and logarithms. There is an emphasis on problem solving skills. Math 120 is acceptable as credit toward graduation in some programs but not acceptable to satisfy the UNM Core Curriculum or New Mexico Lower-Division General Education Common Core Curriculum requirement in Mathematics. Grade option: A, B, C, CR/NC. Prerequisites/placement: Successful completion of MATH 100 (C or CR) or minimum Pre-Algebra COMPASS score of 57 or Algebra COMPASS score of 34, or math ACT ≥ 19, or math SAT ≥ 450.

COURSE OBJECTIVES:
In this course, we will explore linear functions, systems of linear equations, inequalities, polynomials and factoring, rational functions and radical functions, and we will introduce exponential and logarithmic functions. This course will seek a balance of practicing the methods in both theoretical and applied settings.

COURSE MATERIALS:

- Textbook (Hardcopy Optional): Intermediate Algebra by Jay Lehman (I have the 4th Edition.)
- Pearson (MyMathLab) 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. If you purchased a new book at the bookstore, it should have come with a MML kit that includes your access code. If you did not purchase a new book, then you can purchase a code directly from the website, www.pearsonmylab andmastering.com. You must register for MML by midnight on Wednesday, January 24, 2018 or you will begin missing assignments. (See MML registration handout for assistance. Note: You can get a 14 day trial period to begin completing work if you cannot immediately purchase the course code.)
- Notebook, pencil, and calculator: Note: A scientific calculator will be desired. Students may use a calculator unless otherwise announced. Graphing calculators and/or phones will not be allowed on quizzes or exams. Students may not share a calculator during exams.

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:

RA+	98% and above
R A	93 – 97%
RA-	90 – 92%
RB+	88 – 89%
RB	83 – 87%
RB-	80 – 82%
RC+	78 – 79%
RC	73 – 77%
RC-	70 – 72%
RNC	< 70%

Attendance and Class Participation 10%
Written Homework 10%
MML Homework 10%
Written Quizzes (First quiz on 8/24) 15%
Cumulative Unit Tests 25%
Cumulative Final Exam* 30%
*You must receive at least a 70% on the final and have a 72% overall course average to pass the course. This is not negotiable.

THE COURSE:
Homework, Quizzes, and Tests: We will cover nearly the entire book. Please note that the book and MML are not perfectly aligned.

- You must register for MML by midnight Wednesday, January 24, 2018 and complete all of the Written and MML Review assignments by 7 PM on Wednesday, Feb 7, 2018 or risk being dropped.
- Written Homework: Much of the homework will be done with paper and pencil. Written Homework will have a due date. No work = no points. Late written homework scores will be reduced by 25%. Homework may only be submitted in the 8 weeks in which it is assigned.
- MML Homework: Please check online for homework after each class. This class moves quickly. At least one new topic will be covered every class and MML is a good place to practice. All tools will be available for your use. You may do the problems as many times as you would like without penalty.

Final MML scores will be recorded during the final exam.

- Quizzes:

Short written quizzes will be given at the beginning of class on most Thursdays and will cover the most recent homework. Quizzes cannot be made up but the 2 lowest scores will be dropped. A 3x5 card with the pertinent information is highly recommended and a calculator will be allowed. No phone calculators will be allowed on the quizzes. If there is no class on a Thursday, there will be no quiz that week.

- Optional (but highly recommended) Practice Tests will appear in Blackboard Learn as exams approach. The actual exams will be written, closed book and have 21 problems worth 5 points each.

A 3x5 card with the pertinent information is highly recommended and a calculator will be allowed for the quizzes. No phone calculators will be allowed on the exams.

ATTENDANCE POLICY:

The student bears full responsibility for the material and procedural information covered in class. Attendance is part of the grade. If a student misses 2 classes in the first two weeks or 4 consecutive class periods or 6 total classes, the student may be dropped from the class.

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.

Student Learning Outcomes in regard to skills acquisition:

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

1) Sketch the graphs of linear, quadratic, and exponential functions.
2) Solve systems of two linear equations.
3) Solve quadratic equations using factoring, quadratic formula, and the square root method.
4) Solve equations containing rational expressions.
5) Perform operations on polynomials and factor certain types of polynomials.
6) Solve polynomial equations by factoring.
7) Correctly use function notation and vocabulary related to functions.
8) Find the value of a function for a given domain value.

Student Learning Outcomes in regard to conceptual understanding:

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

1.) Interpret slope in relation to variable coefficients and as a rate of change.
2.) Apply solution methods learned to "real-world" problems.
3.) Analyze solutions and give them contextual meaning.
4.) Make connections between graphic, algebraic, and contextual representations

IMPORTANT DATES (all deadlines are by 5:00 PM Mountain Time):

The class you initially registered for is a first 8-week course, so the following deadlines apply.
Martin Luther King Holiday Monday, January 15, 2018
Last day to add or change grading mode on LOBOWeb: Friday, January 19, 2018
Last date to drop without a grade: Friday, January 26, 2018
Last date to drop without Dean's Permission: Friday, February 23, 2018
Last date to change grading mode with form Friday, March 9, 2018
Last date to drop with Dean's permission Friday, March 9, 2018
Spring Break: March12 – 16, 2018

SUPPORT SERVICES: Math Center tutors are available in the Learning Commons M-Th from 8 to 5, and Fridays 8 to 1 (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.

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

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.