Extended syllabus for Beginning and Intermediate Algebra MATH 0003 Fall 2015

REQUIRED MATERIALS: ALEK'S software, TI-84 or below (if you can **NOT** afford ALEKS at the moment please contact your instructor ASAP to determine if you qualify for temporary 14 day access)

COURSE COORDINATOR: Gretchen Thompson; gmthomps@uark.edu

PURPOSE: To provide the essential prerequisite skills to take College Algebra.

MASTER SYLLABUS: You are responsible for reading the MRTC Master Syllabus. Download and print the Master Syllabus. You are responsible for knowing the material on the Master Syllabus. Note: You will be using different software. You will be using the ALEK'S software located at ALEKS.com. You can find support at ALEKS.com if you have any issues.

HOMEWORK: Your pie chart will count as your homework. You can find your pie chart on ALEK'S. There will be 4 homework grades. One homework grade is due with each test. The homework grade is based on the number of topics you need completed by each Test. See below for the amount of topics needed for each test.

TIME: You are expected to spend 3 hours a week working in ALEKS. The amount of time you spend in ALEKS will count as a grade. Each week a grade will be placed in the gradebook based on if you have spent the required 3 hours. You can utilize the Teaching Center located in Champions Hall 326. You are not required to complete homework in Champions Hall but the tutors there can be referenced when you have a question.

ONLINE ASSESSMENTS: There are two types of Assessments. You should complete the assessments to the best of your ability. The assessments are used to customize your homework. So what you do not know will be placed in your homework for you to complete.

> **PROGRESS ASSESSMENTS:** These assessments are random and count as your quizzes. They are not worth a grade but you MUST complete them to be able to work on your pie. If you do poorly on one of these quizzes more homework problems will be assigned to you.

> **COMPREHENSIVE ASSESSMENTS:** You be assigned 5 comprehensive assessments and an initial assessment. The comprehensive assessments count as your tests. You are required to have a certain amount of your pie complete by each assessment. If you have more than the required topics completed then it will be easier to get a 100% on the test. If you have less than the required topics your test grade will be lowered accordingly. (see testing below)

>> TEST 1: 272 topics need to be complete (60%); Whole Numbers (yellow), Fractions (light orange), Decimals Proportions and Percent's (dark orange), Geometry Measurement and Data Analysis (pink), Real Numbers (purple), Linear Equations and Inequalities (dark purple), part of Exponents and Polynomials (blue)

>> TEST 2: 339 topics need to be complete (75%); Finish everything missed from test 1, Lines Functions and Systems (dark blue), finish Exponents and Polynomials (blue)

>> TEST 3: 407 topics need to be complete (90%); Finish everything missed from test 2, Rational Expressions (light blue), Radicals (green)

>> TEST 4: 452 topics need to be complete (100%); Finish everything missed from test 3, Quadratics (light green)

> **INITIAL ASSESSMENT:** The initial assessment is a comprehensive assessment taken when you first log into ALEKS. You should complete this to the best of your ability. The questions that you get wrong or don't know will be used to create your future assignments. This test is not worth a grade, but you should try your best. What questions you get incorrect will be placed in your pie for homework. The initial assessment must be taken in Champions Hall Testing Center.

TESTING: There will be 4 comprehensive assessments. These assessments will be graded based on the number of expected topics. For example if you score 113 topics on test 1, then your grade will be 113/272=42%. The tentative testing dates are below. There will also be a STATE EOC. It is mandatory that you take the EOC exam. All tests and the EOC must be taken using Proctor-U. Proctor-U requires a stable broadband connection, a webcam, a microphone, and speakers/headphones. You will take your exam online under the supervision of a proctor who will verify your ID, supervise you through your webcam, and monitor your computer screen. Step by step instructions for utilizing this service can be found at:

http://tips.uark.edu/proctor-u-instructions-for-students/

MAKE-UPS QUIZZES/TESTS: There are no make-ups for the quizzes or tests. If you miss a test or are going to miss a test contact your instructor immediately to determine if something can be worked out. Letting your instructor know before is better than after.

EOC EXAM: You will receive up to three (3) attempts at the EOC exam on the specific dates shown below. The EOC exam must be taken using Proctor-U (see the above link) on the dates listed below.

TENTATIVE DEADLINE FOR TEST:

Test #1: Wednesday, 9/23; Thursday, 9/24; Friday, 9/25

Test #2: Wednesday, 10/21; Thursday, 10/22; Friday, 10/23

Test #3: Wednesday, 11/18; Thursday, 11/19; Friday, 11/20

Test #4: Tuesday, 12/8; Wednesday, 12/9; Thursday, 12/10

EOC EXAM: Saturday, 12/12-Wednesday, 12/16

PARTICIPATION: You will receive a participation grade based on the Journals in Blackboard. If you miss a journal you can choose to do two of the worksheets found under the weekly activities. These worksheets come with answers. It will be up to you to give different examples and show ALL work to receive your participation grade.

TENTATIVE SCHEDULE: Your course material is split up into 4 units. You can find notes on each unit in Blackboard, learn.uark.edu. The notes are split up into weeks. Feel free to work ahead of the designated week. After reading the lesson notes you are expected to complete the following items for EACH weekly lesson. If you are having problems with an assignment or are stuck on a problem, you should use the Discussion Board on Blackboard to get help from your peers.

1. Lesson journal: The lesson journal is a short answered question based on the material notes found in the blackboard, learn.uark.edu. This short answer question will also be located in blackboard.

2. Lesson Homework: Complete the part of the pie that the material covers

3. Time Requirement: You are required to spend at least 3 hours a week working in ALEKS.

WEEK	DATES	MATERIAL TO COVER
1	8/24-8/30	Whole Numbers (yellow), Fractions (light orange), Real Numbers (purple)
2	8/31-9/6	Decimals, Proportions and Percents (dark orange), Exponents and Polynomials (Exponents only and simplifying polynomials, factoring will be completed later) (blue)
3	9/7-9/13	Geometry, Measurement, Data Analysis (pink), & Word Problems (in various sections mostly in proportions)
4	9/14-9/20	Linear Equations and Inequalities (dark purple)
5	9/21-9/27	Review & Test 1
6	9/28-10/4	Work on topics missed from Test 1; Lines, Functions, Systems (dark blue)
7	10/5-10/11	Lines, Functions, Systems (dark blue)
8	10/12-10/18	Complete Exponents and Polynomials (factoring polynomials) (blue)
9	10/19-10/25	Break, Review, Test 2
10	10/26-11/1	Work on topics missed from Test 2; Rational Expressions (light blue)
11	11/2-11/8	Rational Expressions (light blue)
12	11/9-11/15	Radicals (green)
13	11/16-11/22	Test 3
14	11/23-11/29	Work on topics missed from Test 3
15	11/30-12/6	Quadratic Equations and Factoring
16	12/7-12/13	Review, Test 4
Final Exam Week		EOC between 12/12-12/16

DETERMINATION OF YOUR GRADE: Your grade is determined by your scores on the 4 tests, the EOC and homework assignments, time, topics completed and participation grades. Your instructor will upload the participation grades into ALEKS at the end of the semester. The final letter grade is based on the following percentage scale:

A = 90.0%-100%; B = 80.0%-89.9%; C = 70.0%-79.9%; D = 60.0%-69.9%; F = 0-59.9%

The breakdown of grades for this course is shown below:

Time	10%
Homework (PIE CHART)	18%
Test 1 (CUMULATIVE TEST)	10%
Test 2 (CUMULATIVE TEST)	10%
Test 3 (CUMULATIVE TEST)	10%
Test 4 (CUMULATIVE TEST)	10%
Meeting with instructor after test 2	2%
Project	5%
Participation	5%
EOC Exam	20%

NOTE: The instructor reserves the right to make changes to this Syllabus during the semester.