

**MA 104 – College Algebra with Applications in the Sciences and Technologies
Fall 2012 Course Syllabus**

Class ID: MA 104 – Section 03

Credits: 4

Days: M T W TH

Times: 4:00 – 4:50 p.m.

Call #: 80850

Room: WS 3602

Instructor: JoAnn Buhl office : NSF 3011
e-mail: jbuhl@nmu.edu
Phone: 227-1591

Office Hours: Noon – 1:00 p.m. M T W TH, and Noon – 3:00 p.m. on Fridays. I am happy to arrange other times for an appointment. Simply catch me after class to set something up.

Prerequisites: MA 100 or satisfactory score on the math placement exam.

Text: *Algebra and Trigonometry, 8th Edition*, by Ron Larson.

Course Description: Chapters 1 – 5 and chapter 9 in the text, followed by chapter 6 and a bit of chapter 8. This includes a review of basic algebra, functions and graphing, linear inequalities, exponential and logarithmic functions, and systems of equations and inequalities. Right triangle trigonometry will be covered the last two weeks of class, including the Laws of Sines and Cosines.

Attendance: You are expected to attend class each day and are responsible for the material covered on that day. Mathematics is like a sport. In order to improve, you must practice!

Homework: Will be assigned on a section-by-section basis. The best way to learn mathematics is by doing it yourself, and that requires steady, consistent effort. For each hour in class, you should be doing an equal amount of time out of class practicing the problems. Quizzes will be based on the homework problems for the given week.

Tests and Quizzes: There will be three tests, weekly quizzes, and a comprehensive final.

Final Exam: Section 03: Thursday Dec 13, 4:00 – 5:50 p.m.

Calculator: This course will use a graphing calculator. The Instructor will be using a Texas Instruments graphing calculator, but any good graphing calculator with trigonometric functions will work. You are expected to bring your calculator with you every day to class, and use it on all homework, quizzes, and tests.

Computers: Unless otherwise noted, computers will **NOT** be used during class time. Your calculator is sufficient technology for this course and will be the only technology allowed on the tests. (Note on cell phones as calculators)

Grades: Your grade will be based on the percentage you achieve of the following scores:

			<u>Grading Scale:</u>	
Test 1	:	100 pts	90% and up	A's
Test 2	:	100 pts	80% - 89%	B's
Test 3	:	100 pts	70% - 79%	C's
Final	:	100 pts	60% - 69%	D's
Quizzes 10 @ 10 pts each:		<u>100 pts</u>	Below 60 %	F
TOTAL POINTS:		500 pts		

Tests and quizzes may be made up with a documented, validated excuse.

***	Extra Help: Math Tutor Lab.	West Science 3810.	***
***		M – TH 9 - 4 and F 9 – 3	***
***	All Campus Tutoring.	Learning Resource Center 111H.	***
		S – W 2 – 10:00 p.m.	

Foundation of Natural Sciences/Mathematics Requirement: This course satisfies the Foundation of Natural Sciences/Mathematics requirement. Students who complete this course should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of mathematics in analyzing natural phenomena.

ADA Statement: If you have need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C.B. Hedgcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.