**Intro to Probability & Statistics**  
**MA 104 Summer 2013**  
**MTWR 9:50 am – 12:00 pm**

**Professor:** Dr. Linda Lawton  
**Office:** NSF 1107  
**Email:** llawton@nmu.edu  
**Office Hours:** 12:30 – 1:30 MTWR, other by appointment

**Text:** Larson; *Algebra and Trigonometry*, Eighth Edition

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

**Course Description:** Select portions of Chapters 1-8. This includes a review of basic algebra, solving equations and inequalities, functions and graphing, linear, quadratic, polynomial, and rational functions, exponential and logarithmic functions. Right triangle trigonometry will be briefly covered, along with the Laws of Sines and Cosines.

**Learning Objectives:**  
Upon successful completion of this course the student will be able to:  
- Understand and apply the rules of linear, quadratic, polynomial, exponential, and logarithmic relations to solve equations.  
- Understand and apply the concepts and properties of a function to model real-world situations, and solve scenarios involving these functions.  
- Apply trigonometry to solve scenarios involving triangle relationships.

Student achievement of these learning outcomes will be measured through:  
Performance on homework and exams

**Grades:**  
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<th>Component</th>
<th>Percentage</th>
<th>Scale</th>
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| Homework / Quizzes | 30%        | 91 – 100% = A  
| 5/30 Exam 1 (Ch 1 & 2) | 20%        | 81 – 89% = B  
| 6/13 Exam 2 (Ch 3 – 5) | 20%        | 71 – 79% = C  
| 6/27 Final Exam (Ch 1 – 8) | 30%        | 61 – 69% = D  
|                    |            | < 60% = F    |
About me:

Normally I am a rather informal, laid back person—i.e. easy to deal with. (Even my husband agrees with this.) But there are a few things which tend to make me grumpy—i.e. difficult to deal with. Here’s a short list (keep in mind this was developed while teaching “Math for People Who Hate Math But Have to Have One to Graduate”):

1. bad attitudes
   (Please don’t just sit in the back glaring at me—pretend you are enjoying yourself!!)

2. homework (or other) questions right before class starts
   (I want to provide you with clear, understandable lectures, but I am easily distracted. I need that time to focus before I start class.)

3. repeatedly skipping class and expecting me to “lecture” during office hours
   (I don’t mind covering the material with you in my office, but there is only so much we can cover in one sitting.)

4. point grubbing
   (When I grade quizzes and tests I go through all the papers twice to ensure that equivalent credit is given to equivalent work. If you feel I have made an error, please submit a written request for me to review the matter.)

5. cheating, etc.
   Cheating will result in failure of not only the exam / assignment, but also the course.

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 Disability Service Office 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.

This syllabus is subject to change with notice.