Functions and Modeling MAT 114 Fall 2017

MAT 114 Functions and Modeling.   Office: BUCK A241
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Office Hours: 11- 12 Tuesday and Thursday at Buck A241 . Other times by appointment
Website: http://math.buffalostate.edu/~giambrtm

Textbook

Do not buy a textbook. YOU MUST ENROLL IN KHAN ACADEMY See Emails.

Graphing Calculator required*:* One in the TI 84+ family. Other graphing calculators will can be used but all materials will be based upon this calculator. I am not requiring you to buy Web Design or a book so buy a TI 84. Used ones can be purchased at a reasonable price.
Other Materials distribute through BlackBoard and my website.
http://math.buffalostate.edu/~giambrtm

This course meets the Intellectual Foundations Math and Quantitative Reasoning Requirement. Students will: Represent and analyze known relationships using algebraic and geometric models; Represent phenomena of the physical world in abstract, symbolic form; and Solve problems using appropriate methods through logical relationships and reasoning

Course Description: Describe and explore real-world functions, data and phenomena through graphic, numeric, symbolic, and verbal representations. Use elementary functions (linear, quadratic, exponential, and logistic) to investigate and analyze applied problems (supported by the use of appropriate technology) . In Addition, A component of Algebraic Skill will also be about 30% of this course. These sections are Special Sections. *Prerequisite :* 3 *years high school mathematics or equivalent.*

Tests/Quizzes:
- There will be three one-hour tests and a comprehensive final. The hourly tests and final will include material that was covered in class and will be similar to the problems worked for homework or in groups.
- Make-up examinations will be given only for very serious and unavoidable conflicts, and *only if* your instructor approves a make-up examination in advance. Advance notice of 2 hours is required with documentation of why this absence was necessary. If this condition is not satisfied, no make-up will be given. In the instance that a make-up examination is appropriate, it will be given within one week of the original exam.
- **Quizzes will be given in class.** The lowest 3 will be dropped at the end of the semester therefore NO MAKE UP for missed quizzes.

Attendance:
- Attendance will be taken EVERY class at the beginning
- *FOUR* ABSENCES will result in an automatic letter grade reduction in a final course grade, unless there is documentation provided justifying the absence that your instructor finds acceptable.
- TWO TARDY's of 10 minutes or more = I absence.

Course Grading: Tests 30% Final Exam 20% Quizzes and classwork 50%
Letter grades will be assigned according to the following scale.

A	100 - 93 %	B-	82 - 80 %	D+	69 - 67 %
A-	92 - 90 %	C+	79 - 77 %	D	66 - 60 %
B+	89 - 87 %	C	76 - 73 %	E	59 - 0 %
B	86 - 83 %	C-	72 - 70 %	P	> 70%

If your course average is 93% or higher after Test #3, I will exempt you from the final exam!!!!

To be successful in this class you should:
- Complete all assignments. You should plan to work about 1.5 hours for every hour in class.
- YOU MUST Attend every class and come prepared.
- Participate and be attentive in class.
- Be able to use your calculator with ease to solve problems.

Classroom Etiquette:
- Turn off all cell phones and put them away so as not to distract your instructor or classmates from the class activities. Other electronic devices are to be turned off unless needed for classwork.
- Any student found to be using a cell phone *for non-classwork* will be asked to leave and the class will count as an absence.
- NO CELL PHONES MAY BE USED DURING TESTS. If any form of *cell phone use* is discovered *during a test or quiz,* the assessment will be taken away and a zero will be given.
- If you need to use the restroom please do so BEFORE class. People moving around the classroom is both insulting and distractive to the instructor and other students.

Refer to the rules on Academic Misconduct for further information. http ://academicstandards.buffalostate.edu/misconduct
- We will maintain a classroom decor of mutual respect. Disruptive behavior by students in my class will not be tolerated. Whenever I deem a student to be acting in a disruptive or threatening manner, I will exercise my right to ask that individual to leave the classroom. If refused, I will exercise my right to notify University Police.