Course Syllabus
MAT 143–Mathematical Analysis for Business and Economics I
Section A
Summer 2016
Prof. John Peter

Course Description: MAT 143 is an introduction to a number of mathematical topics including linear and quadratic equations, matrices, linear programming, and the mathematics of finance. The course will be example–driven, with particular emphasis put on relevant applications to business and economics.

Course Learning Goals:

- In accordance with the Program Learning Goals of the Mathematics Department, students will demonstrate the ability to formulate and solve mathematical problems and communicate mathematics in written form.
- The student should be able to analyze linear, quadratic, exponential, and logarithmic functions.
- The student should be able to use matrix algebra to solve systems of linear equations.
- The student should build a basic understanding of linear programming.
- The student should understand the fundamental mathematics underlying basic borrowing and savings models and be able to apply such mathematics to investigate their own financial situations.

Required Text: *A Brief Course in Mathematical Applications for Management, Business, Economics, and Social Sciences*, by Ronald J. Harshbarger and James J. Reynolds. ISBN: 978-1-305-29289-5.

Class Meetings: Monday and Wednesday from 6:00pm to 9:29pm in 207 Hubbard Hall

Contacting me: EMAIL: jwpeter@utica.edu (The best way to contact me)
OFFICE PHONE: 315-792-3730 (Please don't leave voicemails)

Office/Hours: Room 104 DePerno Hall
Monday and Wednesday from 5:00PM to 6:00PM
OR, By Appointment (made either in person or by email)

Coursework/Weights: (See attached schedule for important dates)

Assessment	% of Final Grade
Attendance and Participation	10%
Midterm Exam 1	20%
Midterm Exam 2	20%
Midterm Exam 3	20%
Final Exam	30%

Exam Replacement: Your final exam percentage will replace your lowest midterm exam percentage, if beneficial.

NO MAKE–UP WORK WILL BE GIVEN

Grading: The grading scale will be *no worse* than:

90 – 100% = A/A- 70 – 79% = C+/C/C- Below 60% = F
80 – 89% = B+/B/B- 60 – 69% = D+/D

Secrets to success in this course:

- Do lots of problems . . . homework and more!
- Come to class
- Read the book
- ASK QUESTIONS!

Calculators: For some of the material that we cover, you will need a scientific/graphing calculator. Approved calculators are allowed to be used on quizzes and tests. Devices that DO NOT COUNT as a calculator include (but are not limited to) your cell phone, ipod, laptop, or any other similar contraption that functions as anything other than a calculator. Any device that can access the internet is specifically prohibited. If you are unsure of whether your calculator is appropriate, or if you would like a recommendation, see me right away!

Attendance: It is mandatory that I keep track of your attendance. An attendance sheet will be available for you to sign at the beginning of each class. YOU ARE

EXPECTED TO ATTEND EVERY CLASS PERIOD. For each class that you miss, you will lose 2% of your attendance/participation grade. In the event that you miss class (or are mentally absent from class!) it is your responsibility to keep up with all announcements, syllabus adjustments, and/or policy changes made during scheduled class time and/or sent to you via your Utica College email. Please make sure that your Utica College email is functioning properly, and make every effort to contact me using your Utica College email address (as opposed hotmail, yahoo, etc.) to avoid confusion. If class must be canceled for some reason, you will be notified as early as possible via your Utica College email.

Classroom Etiquette: Always keep in mind that you are in a college classroom. You and all of the people around you have paid to be here. By simply showing up for class, you are demonstrating that you take very seriously the opportunity to pursue the best learning experience possible. You are expected to treat all people in the classroom with respect, and to come to class prepared to learn. Disruptive behavior, including (but not limited to) talking, whispering, texting, eating loudly, etc. will negatively impact EVERYONE'S experience and will not be tolerated.

Intellectual Honesty: Academic honesty is necessary for the free exchange of ideas and Utica College expects academic honesty from all students. Academic dishonesty includes both *cheating* and *plagiarism*. Plagiarism is the intentional or unintentional use of other people's ideas, words, and/or factual information without crediting the source. Cheating refers to both the giving and the receiving of unauthorized assistance in the taking of examinations or in the creation of assigned and/or graded class work. Utica College faculty are authorized to assign a wide range of academic penalties for incidents of academic dishonesty. Depending on the nature of the offense, the penalty may include a reduced grade for the particular assignment or course, a grade of "F" for the course, or the grade of "F for cheating" for the course. Incidents of academic dishonesty will be reported to the Vice President for Academic Affairs, who will refer any repeat offense, or any particularly egregious first offense, to the Academic Standards Committee, which may recommend a more severe penalty than that imposed by the faculty member.

Disability Disclosure: Any student who has need of special accommodations in this class due to a documented disability should speak with me as soon as possible, preferably within the first two weeks of class. You should also contact Kateri Henkel, Director of Learning Services in the Academic Support Services Center (315-792-3032 or khenkel@utica.edu) in order to determine eligibility for services and to receive an accommodation letter. We will work with you to help you in your efforts to master the course content in an effective and appropriate way.

The author of this syllabus reserves the right to change it at any time during the semester.