



COURSE: Functions Graphs and Matrices, MAT158 Summer 2019 Online w/Campus Requirement

CRN: 2092 Credits: 3 Room and Meeting times: Online

Instructor: Kegan Samuel, Ph.D.

Office: Wheaton 310

Telephone: 860-343-5714

Email: ksamuel@mxcc.edu

Office Hours: by appointment

Pre-requisites: MAT*137 with a grade of "C" (or higher) and eligible for ENG*101 OR math placement and eligible for ENG*101

Course Description: A course in selected topics from contemporary mathematics with applications for students in business, economics, and social science. Topics include: the concepts of function and rate of change, a review of algebraic and graphical aspects of polynomial functions, a study of exponential and logarithmic functions, mathematical modeling, and systems of linear equations in two or more variables with an emphasis on forming, solving and interpreting of matrices. A graphing calculator is required and used throughout. This course is not recommended for mathematics, physics, chemistry, or engineering majors.

Required Materials:

- *Business Precalculus*, by David Lippman ver. 0.1 (2016)
- MyOpenMath account. www.myopenmath.com
- TI 83 or 84 Graphing Calculator

General Expectations: Taking a course online can make it that much more difficult to stay on top of the material. It is crucial that you are doing work several times each week during this semester to be successful. Please do not wait until the weekend the assignments are due to complete them. If we were to meet in a classroom, you would be spending about 3 hours in class, and a minimum of another 4-5 hours outside of class doing work. Please keep that in mind to give yourself a guideline as to how many hours you will need to dedicate to this course.

Blackboard Learn: The course is set up using Blackboard Learn. In Blackboard you will find links to complete your homework and assessments, read brief summaries on your weekly topics, follow the calendar, contact me and post discussions. There are also links for help on BB. It is your responsibility to be logging on to Blackboard and checking for announcements and following along with the course calendar.

Homework: Each week you will be assigned homework assignment(s) that you are to complete using MyOpenMath(MOM).

You can work on the homework as many times as you like before the due date. **You will get three attempts at each question before MyOpenMath marks that question incorrect. When that happens, you may choose a "Similar Problem" and you will be given a new problem to try.** It is the expectation that you work on the material during the week/weekend, complete the homework by the end of the week and then move on to the next week's material. Before attempting MOM homework, you will want to read the weekly notes and follow along with the media videos, complete the required activities (and go through even the ones that aren't required). Doing these things before attempting HW will make the time it takes to complete the HW each week much shorter. **Because this class is online and you are doing the work independently, it is critical that you stay on top of the material. Please make sure you are submitting on time!**

Quizzes/Tests: Your quizzes and tests are also taken in MyOpenMath. Exams are timed, so you will have to complete them in one sitting. Once you open the quiz/exam, the timer will start. The reason tests are timed is to make sure that everyone has been fully prepared and mastered the material BEFORE taking the test. If you find that you are running out of time on these assessments, it is most likely because you have not practiced enough. If you are spending a good deal of time looking through your book/notes while you are taking a test, you will almost definitely run out of time. The expectation is that you are working on the homework all week and you take the test once you have completed that and feel comfortable with the material.

No late test/quizzes will be accepted without a valid excuse (doctor's note, etc) and at the instructor's discretion.

Projects: You will have 2 mini-projects to complete throughout the semester. The description and guidelines for these projects will be posted on Blackboard.

Final Exam: **You will be required take your final exam on campus.** The date will be posted on Blackboard. The format of the exam will be the same as every other exam, and taken on MyOpenMath. The exam will be cumulative.

YOU MUST EARN AT LEAST A 55% ON THE FINAL EXAM TO PASS THE COURSE. Failure to earn a 50% will result in an F for the course, regardless of your calculated average. Exceptions will be evaluated on a case-by-case basis.

Discussions: You will have weekly discussions. You need to respond to the question and to one of your classmates.

Use of the Calculator: We will use the graphing calculator for almost every topic we cover. It is extremely important that you get comfortable using the calculator from the very beginning of class. The best calculator for you to have is the TI-83 or 84. Your textbook also provides the steps for using the TI graphing calculators.

Grading: Your final grade will be comprised of the following:

Homework	20 x 15 pts = 300 pts
"Big" Review Homework	50 pts
Quizzes	10 x 10pts = 100 pts
Projects	2 x 25 pts = 50 pts
Discussions	10 x 5 pts = 50pts
Tests	3 x 100 pts = 300pts
Final	150 pts
	1000 pts

The final numerical grade will be your total points divided by 10.

Grading Scale: The following is the grading scale for MxCC College:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
93 – 100	90 – 92	87 – 89	83 – 86	80 – 82	77 – 79	73 – 76	70 – 72	67 – 69	63 – 66	60 – 62	< 60

Tutoring: MxCC offers **FREE TUTORING** on campus (Chapman Hall 711), and at the Meriden Center. For more information, visit the College Learning Center Website (click "College Learning Center" on the www.mxcc.commnet.edu homepage) or call (860) 343-5770. Take advantage of these services and start to excel in your classes!

IMPORTANT COLLEGE POLICIES!! PLEASE READ CAREFULLY!

For information about the college's policies and procedures regarding academic honesty, accessibility/disability services, attendance, audio-recording in the classroom, grade appeals, religious accommodations, weather and emergency closings, and more, please go to the following website: www.mxcc.edu/catalog/syllabus-policies/ or scan the QR code with your smart phone. Also, please become familiar with the policies regarding nondiscrimination, sexual misconduct, and general student conduct at the following website: www.mxcc.edu/nondiscrimination/.



Note:

Please note that this syllabus is tentative and the instructor may make changes during the semester.