

Marquette University EMBA Program
Mathematics Review
Summer 2024

Instructor: Bob Collins
Phone: 414-288-3412

Office: O'Brien Hall 448R
e-mail: robert.collins@marquette.edu

COURSE DESCRIPTION:

We will begin reviewing algebra with an introduction to modeling. We will next discuss the basics of linear programming, minimizing or maximizing a function in two variables given a set of constraints. Finally, there will be an introduction to derivatives. The topics covered in the course will have their most direct applications in future courses in economics, finance, and quantitative methods.

TEXT:

The Graduate School of Management has already purchased access for the text:

Mathematical Applications for the Management, Life, and Social Sciences (Twelfth Edition). Harshbarger and Reynolds, Brooks/Cole, 2019.

Your tuition for the EMBA program includes registration for this course. Please contact the EMBA program for more information. When you are ready to register please click on <https://www.getenrolled.com/?courseKey=marquette54912651>

STEPS TO SUCCESS:

1. Open (most of you will want to print) the workbook. It is found on the Mathematics Review page: <http://www.marquette.edu/business/emba/review/mathematics/>
2. Start the first (Section 0.2) lecture. The lectures can be streamed from the Mathematics Review page. As you follow the lecture, have the workbook in front of you. Be an active part of the course. In the workbook, you have cues (Try or Play) for when to try exercises and then check the exercises.
3. On the Cengage WebAssign home page, you will find access to the ebook in the middle of the left side of the page and questions to try for each chapter in the middle of the page (these questions can be found under Future Assignments as, since you are each doing this review at different times, all Assignments are listed as due September 16). Once you open the ebook, a blue book (Full Book) icon will appear on the right side of the page which allows you to quickly access the entire ebook.
4. At the end of each chapter in the workbook, you have a set of homework listed. Once you finish a chapter, do the homework in the text and/or the WebAssign homework. Since much of this course is a review for many of you, it is up to you to know when you are comfortable with a topic. I assign lots of possible exercises. You need not do them all. All of the text exercises assigned are answered using the drop-down at the end of the exercise. Once you are comfortable with the homework, start the next chapter.
5. If you need help with any topic in the lecture or the homework, please e-mail me at robert.collins@marquette.edu.
6. If you find any mistakes or something that does not make sense in the lecture, please let me know as soon as possible so that changes can be made.