

**MTH 1310 - Finite Mathematics for the Management and Social Sciences**  
**Section 008 (CRN 50787)**  
**Fall 2016**

**Professor:** Brendan Fry

**Office Hours:** MW 12:45-1:30pm and 5:15-6:00pm, TR 2:45-3:45pm, or by appointment

**Office:** Science Building, Room 1054

**Phone:** (303) 556-2513

**Email:** bfry2@msudenver.edu

**Webpage:** <http://sites.msudenver.edu/bfry2/mth-1310-finite-math/>

**Class Time/Location:** 4:00-5:50 p.m., TR, in North Classroom Building 3112

**Course Overview:**

This course stresses the application of mathematics to business and the social sciences. The topics covered include evaluation and graphing of functions, the geometry of straight lines, operations on matrices, solving systems of equations, and an introduction to set theory and probability theory. All sections will integrate the use of a graphing calculator into the course. A specific calculator will be required (see below).

**Text:** *Mathematical Applications for the Management, Life, and Social Sciences (11th edition)* by Harshbarger and Reynolds (ISBN 13: 978-1-305-10804-2)

[NOTE: Online access to this textbook is *included* in your purchased access to the WebAssign homework system. You *do not* need to purchase a physical copy of this textbook unless you want to.]

**Technology:** The TI-83, TI-83 Plus, TI-84, or TI-84 Plus calculator is the required graphing calculator for this course, and *must be brought to every class meeting*.

**Attendance and Academic Integrity:**

Students are expected to attend every scheduled class. It is the student's responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes or by email. The instructor's preferred mode of communication is via email, which is listed above. Students are expected to behave in accordance with the MSU Denver Student Code of Conduct (<https://www.msudenver.edu/deanofstudents/studentconduct/studentcodeofconduct>). The guiding principle of academic integrity is that a student's submitted work must be the student's own. University policies can be found at <https://www.msudenver.edu/deanofstudents/studentconduct/academicintegrity/academicdishonesty/>; violation of either of these will result in an automatic final grade of F in the course.

Please be prompt to class. All electronics must be turned off by the beginning of class. This means cell phones, computers, etc. Your textbook may be helpful but is not required during most classes.

### Homework/Quizzes:

Homework is an essential part of this course. Math should be learned through practice, and so one of your best tools for learning the material is through homework. Homework will be completed through the online WebAssign homework system, and will be due about once every week or two. There will be an assignment corresponding to each section covered in the textbook, as well as purely algebra assignments in preparation for MTH 1320. It is *highly recommended* (though not required) that you keep a notebook where you work out the WebAssign problems on paper. This will help you when it comes time to study for exams, and will also be beneficial for in-class quizzes. (Perhaps more important than anything grade-related, it will help you learn the material better to coherently write out your solutions.) Finally, *late homework will not be accepted*.

As hinted at above, in-class quizzes will also be given, and may be announced or unannounced. There are no make-up quizzes; however, the lowest few homework (individual section assignments) or quiz scores will be dropped before the total is computed for the final grade. This number will depend on the total number of assignments.

You are encouraged to work together on homework assignments; however, the actual write-up should be done on your own. You are also encouraged to ask questions during office hours and to use other available resources (for example, the Math Lab in Science 1046 and other resources at <https://math.msudenver.edu/student-support>, as well as Khan Academy videos at [https://mcs.msudenver.edu/\\_u\\_/khan-academy](https://mcs.msudenver.edu/_u_/khan-academy) and other materials at <https://mcs.msudenver.edu/mathematics-peer-study/mathemtics-course-review-materials>).

### Instructions for WebAssign:

To create an account for this class, go to <http://webassign.net>, click on the “Log In” button, then click on the “I Have a Class Key” button. Our class key is **msudenver 5436 4401**. You must do this even if you have used WebAssign in the past or are using it for another course this semester. There is a 14-day grace period (from the first day of classes) before you must purchase/submit your access code for this class. Each time you log in, you will see a reminder.

### Projects:

In order to further immerse students into applications of mathematics to finance, students will complete two group projects selected from the textbook during the course of the semester. You may work in groups of up to three students, and all three students will receive the same grade on the project. There will be no group self-assessments and no allowances made for missing group members, so you are responsible for selecting your group members wisely and ensuring that the work is completed on time. Group activity projects will be completed in hard copy. The due dates will be announced in class and must be handed in on time to receive full credit. You may slip these under my office door, SI-1054, if necessary.

**Exams:** There will be three regular, in-class exams for this course, plus a comprehensive Final Exam. No student shall be exempted from the Final Exam. *Tentatively*, the exam dates are scheduled as follows:

EXAM 1: Thursday, September 22

EXAM 2: Thursday, October 20

EXAM 3: Thursday, November 17

FINAL EXAM: TBA

**Missed exam policy:** Make-up exams will ONLY be given to students who have verifiable emergencies: doctor's note, court documents, etc. No student may make up more than one exam. Arrangements for making up a missed exam should be made *within 24 hours* following the exam, but preferably *before* the exam. Once exams have been returned to the class, it is too late for a make-up. The score on the combined final exam can be substituted for the missing exam if it is too late to do the make-up. A grade of zero will be recorded for all other missed exams.

**Grade breakdown:**

Homework/Quizzes	30%
Projects	20%
In-Class Exams	30%
Final Exam	20% (10% for Part I, 10% for Part II - Common Component)

Final grades will be assigned based on the University's point scale:

- A: 90-100%
- B: 80-89%
- C: 70-79%
- D: 60-69%
- F: 0-59%

**Holiday information:**

Labor Day: September 5 (Campus closed), and NO MTH 1310 CLASS September 8

Fall Break: November 21-27 (No classes, campus open except for Thanksgiving Day)

**Other policies:** Students are responsible for full knowledge of the provisions and regulations pertaining to all aspects of their attendance at MSU Denver, and should familiarize themselves with the following policies:

1. GENERAL UNIVERSITY POLICIES

<http://catalog.msudenver.edu/content.php?catoid=23&navoid=1404>

2. GRADES AND NOTATIONS including WITHDRAWAL FROM A COURSE, ADMINISTRATIVE WITHDRAWAL, and INCOMPLETE POLICIES

[http://catalog.msudenver.edu/content.php?catoid=23&navoid=1301#Grades\\_Notations](http://catalog.msudenver.edu/content.php?catoid=23&navoid=1301#Grades_Notations)

The deadline to withdraw from the class is Wednesday, November 9. If you want to drop the course, use the Student Hub, and drop the course electronically. You will receive a W in place of a grade. Please notify me if you plan to drop the course.

Other Withdrawal dates:

For a 100% refund: Last day to withdraw is Sunday, August 28

For a 50% refund: Last day to withdraw is Wednesday, September 7

Students should be aware that any kind of withdrawal can have a negative impact on some types of financial aid, including scholarships. For further information, follow this link:

<http://msudenver.edu/financialaid/undergraduate/keepingawards/withdrawals/>

3. ACADEMIC DISHONESTY

<https://www.msudenver.edu/deanofstudents/studentconduct/academicintegrity/academicdishonesty/>

4. PROHIBITION ON SEXUAL MISCONDUCT

<https://www.msudenver.edu/deanofstudents/sexualmisconducttitleix/>

5. ACCOMMODATIONS TO ASSIST INDIVIDUALS WITH DISABILITIES

<http://www.msudenver.edu/access/facultyresources/adasyllabusstatement/>

6. CLASS ATTENDANCE ON RELIGIOUS HOLIDAYS

<http://catalog.msudenver.edu/content.php?catoid=23&navoid=1302#ClassAttendance>

7. ELECTRONIC COMMUNICATION (STUDENT EMAIL) POLICY

[http://catalog.msudenver.edu/content.php?catoid=23&navoid=1404#Electronic\\_Communication\\_Policy](http://catalog.msudenver.edu/content.php?catoid=23&navoid=1404#Electronic_Communication_Policy)