MATH 111 (24147) - Linear Math Modeling, Spring 2021

Instructor: David Haile
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Text & Materials: *Finite Mathematics and Its Applications, 12e, by Goldstein, Schneider, Siegel, and Hair.* You must purchase the online version of the book. All the homework, exams, and the e-book are combined in the software. The physical copy is optional. All homework and exams are assigned and graded online on MyMathLab (MML). The course id for the class is ==haile30912.== The website for purchasing MyMathLab is:
https://www.pearsonmylabandmastering.com/northamerica/?cc

Course Description: This course meets the quantitative reasoning requirement, one of the Foundation requirements of the Mason Core. The goal of the Foundation requirement is to help ensure that students are equipped with the tools and techniques necessary to succeed in college and throughout their lives and careers.

Grading: The semester grade will be calculated as follows:
- Three exams worth 20% each of the semester grade.
- Homework will constitute 15% of the semester grade.
- The final exam, which is comprehensive, will make up 25% of the semester grade.

The grading scale will be as follows:

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
Below 60	F

Lectures will be recorded and will be available every week on Wednesday's after 7:30 pm on Zoom. You can go to the **Cloud Recordings** tab and access the weekly lectures organized by date. The meeting id is 991 9814 9157. The password is 488686.
Please do not share this with anyone since the only people that can access the files are students registered in the class.

Exams: The exams will be assigned on MyMathLab. After accessing the exam, you can complete the exam questions and submit the test. The exams are timed and must be completed in the given time. The format of the exams will be similar to homework questions.

If you are a student with a disability and you need academic accommodations, please let me know as soon as possible. All academic accommodations must be arranged through the office of Disability Services.

There will be no makeups for the semester. I must be notified by email <u>before</u> the start of a class if you are unable to take an exam with the rest of the class. Otherwise, the missed exam will result in a grade of zero. The student should send me a note from a doctor or work. Once I have been notified and have discussed the issue with the student, I will substitute the percentage of the final exam for the missed exam. I will allow only one

missed exam for the semester. All other missed exams will result in a grade of zero. This does not mean that any missed exam is automatically substituted by the final exam. It only applies to the exam that I have been notified of and agreed to with the student.

Midterm grades will be calculated using the percentage of the first two exams. The grade given for midterm is for informational purposes only and is not a permanent grade used in GPA calculations or transcript records.

Homework: Homework is assigned online in MML. You will have one week to complete the homework after we cover the section. After the deadline, the homework will be locked out and will not allow students to get into that section. Failure to complete the homework on time will result in getting a zero for that section.

Technology: I will demonstrate how to perform all calculations in the classroom lectures. In addition to doing hand calculations, we will use software such as Microsoft Excel, Symbolab, Wolfram Alpha, and graphing calculators.

Honor Code: Cheating on an exam is grounds for failing the exam. Cheating applies to both those giving and receiving assistance and will result in getting an F for the exam. Cell phones must be turned off during class. Please refer to the college catalog for guidelines of academic integrity.

I will post announcements on Blackboard to let you know of any important dates and other details. If you have any questions or concerns, you can email me, and I will respond as soon as I possibly can. I am usually not available over the weekends.

Class Schedule
(*Subject to change if necessary*)

Chapter 1. Linear Equations	
1.1, 1.2	01/27
1.3, 1.4	02/03
Chapter 2. Matrices	
Exam 1	02/12
2.1, 2.2	02/17
2.3, 2.4	02/24
2.5, 2.6	03/03
Exam 2	03/12
Chapter 8. Markov Processes	
8.1	03/17
8.2	03/24
8.3	03/31
Exam 3	04/09
Data Fitting	
Data Fitting	04/14
Data Fitting	04/21
Data Fitting	04/28
Final Exam	05/05