

MATH 111 - Linear Math Modeling, Spring 2020

Wednesday 4:30 – 7:10 pm LSH 211

January 21 – May 6, 2020

Instructor: David Haile

Office Hours: Wednesday 3:30 – 4:30 pm

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Text & Materials: Finite Mathematics and Its Applications, 12th edition, by Goldstein, Schneider, Siegel, and Hair. You can purchase the e-book instead of the text. You can load the e-book on your computer and bring your laptop or tablets to class. Homework will be assigned online using MyMathLab (MML), which is part of the e-book.

The course id for the class is **haile99173**. We will also use TI-83/84 graphing calculators for in-class exercises. Graphing calculators will not be allowed during some exams. Instead, you can use a cheaper scientific calculator for arithmetic calculations on the exam. The use of cellphone exams is prohibited during exams. 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 10% of the semester grade.
- The final exam, which is comprehensive, will make up 30% 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

All exams will be announced ahead of time. There will be no makeups for the semester. If you have a documented excuse that precludes you from taking the exam with the rest of the class, then I will substitute an equivalent grade of the final exam for the missed exam. I will allow only one missed exam. All other missed exams will result in a grade of zero.

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

Homework: All homework is assigned online in MML. You will have one week to complete the homework after we cover the section. After the allotted time, 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: You are welcome to use calculators for class work, homework, and some exams. Our textbook includes notes on the use of TI-83/84 calculators. Matrix computations on exams are to be performed manually. In addition to calculators, we will use Microsoft Excel, Symbolab, and Wolfram Alpha for calculations in the classroom.

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.

Disability statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services at 703-993-2474. All academic accommodations must be arranged through that office.

Class Schedule
(Subject to change if necessary)

Chapter 1. Linear Equations	
1.1, 1.2	01/22
1.3, 1.4	01/29
Exam 1	02/05
Chapter 2. Matrices	
2.1, 2.2	02/12
2.3, 2.4	02/19
2.5, 2.6	02/26
Exam 2	03/04
Spring Break	03/11
Chapter 8. Markov Processes	
8.1	03/18
8.2	03/25
8.3	04/01
Exam 3	04/08
Chapter 12. Data Fitting	
Data Fitting	04/15
Data Fitting	04/22
Data Fitting	04/29
Final Exam	05/06

Learning environment: Please turn off cell phones when in class. Making phone calls, texting, and surfing the web during class is not allowed. The use of cell phone calculators or other electronics is absolutely prohibited during quizzes and tests. Talking while the instructor is lecturing is extremely disruptive and interferes with the learning experience of nearby students. If you don't understand a concept or have difficulty with a problem, feel free to ask questions.