

Professor: Dr. Thomas Fisher

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Email: fishertho@umkc.edu (best)

Office Hours: TuTh 3:30pm – 5:00pm

Personal Web Site: <http://f.web.umkc.edu/fishertho/>

Class Materials: Textbook, notes and Calculator.

Text: *Linear Algebra and its Applications*, 4th Edition by James Lay

Resources: Your textbook comes with a variety of resources, all available on the text's website:
http://wps.aw.com/aw_lay_linearalgebra_4/

Course Objectives: Understanding of the key concepts of linear algebra that play an essential role throughout mathematics and across many scientific disciplines. This course will cover both linear algebra theory (and its applications to other areas of mathematics) and examples of practical applications to other disciplines. Students will learn basic operation of the MATLAB software (available in Royall Hall labs).

Topic Outline: System of linear equations, matrix algebra, vectors, matrices, determinants, vector spaces, linear transformations, eigenvalue & vectors, inner products.

Exams: Three in class exams will be given (each worth 15%) and a cumulative final exam (worth 20%). Tentative Dates:

Exam 1 – in class Thursday September 22

Exam 2 – in class Thursday October 20

Exam 3 – in class Thursday November 17

Final Exam – Tuesday, December 13, 5:45 p.m – 7:45 p.m. (student confirm?)

Exams will be closed book; a calculator will be permitted.

Assignments: Homework, small MATLAB projects, and quizzes will be given throughout the semester and will count as 35% of your final grade. You should expect some form of graded assignment each week.

For a thorough understanding of the material, it is imperative to attempt to solve as many problems as you can from each section.

Attendance Policy: The pace of this class is such that it will not be advisable to miss any sessions. If you know you will be absent, please inform me in advance. When you are absent, it will be your responsibility to contact another student for the notes and announcements. While attendance does not factor into your grade, I will often take attendance for my own records.

You are expected to be an active participant for the entire 75-minute class. Indications that this is not happening include sleeping, surfing the web or instant messaging on your laptop, text-messaging on your cell-phone, studying for another class, etc. Please turn your cell phone to silent before class.

Students are expected to wait quietly for 15 minutes after class is scheduled to begin. If I have not yet appeared the students are free to leave.

Letters of Accommodation: If you have a letter stating specific testing accommodations to which you are entitled, please come by my office to discuss the accommodations that you will need and to give me a copy of the letter. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible. *Please note that unless I have at least one week's notice I will be unable to provide any accommodation on an exam.*

Prerequisites: The prerequisite for the class is Math 250. If you get an email regarding prerequisites, attend to it immediately.

Student Code of Conduct: Any violation of the *Student Code of Conduct* will not be tolerated. This includes cheating, plagiarism, storing information in a calculator, sabotage of another's work, disrupting class. See the below website for a complete listing of the student code of conduct. All violations will be handled in accordance with established procedures and policies concerning student academic responsibility.

University Academic Dishonesty:

Resources: <http://www.umkc.edu/provost/policies/academic-integrity-dishonesty-and-plagiarism.pdf>; and http://www.umkc.edu/catalog/Academic_Honesty.html

Sexual Harassment/Discrimination:

<http://www.umkc.edu/provost/downloads/harassment-statement.pdf>

Grade Appeals: http://www.umkc.edu/catalog/Procedure_for_Appeal_of_Grades.html

Writing Center: <http://cas.umkc.edu/writingcenter/>

Services for Students with Disabilities: <http://www.umkc.edu/disability/>

A&S Life Coach: aslifecoach@umkc.edu (816)235-1446

Final Grades: At the end of the semester, the final grades will be compiled using the following:

Instrument	Percentage
Graded Assignments	35%
3 Tests @ 15% each	45%
Cumulative Final Exam	20%
Total	100%

Grades will be assigned based on the following:

Percentage	Grade
[90, 100)	A
[87, 90)	A -
[84, 87)	B +
[80, 84)	B
[77, 80)	B -
[74, 77)	C +
[70, 74)	C
[67, 70)	C -
[64, 67)	D +
[60, 64)	D
[57, 60)	D -
[0, 57)	F