George Mason University
Math 203
Linear Algebra

Instructor: Trey Andreani

Email: fandrean@gmu.edu

Office: Exploratory Hall 4407

Office Hours: By appointment.

Section: 006

Lecture: Blackboard Videos

Problem Solving Sessions:

  Saturdays 1:30 - 2:20 pm

Prerequisite: C or better in MATH 114 or 116.

Description: Systems of linear equations, linear independence, linear transformations, inverse of a matrix, determinants, vector spaces, eigenvalues, eigenvectors, and orthogonalization.

Text: Linear Algebra and its Applications by Lay, et al., 6th ed 2016, ISBN: 9780135851258. You must have the correct edition in order to complete the correct homework assignments.

Lecture: Lectures will be prerecorded and posted to Blackboard under the tab, 'Lecture Videos'. You are required to watch each video and complete the corresponding homework before the end of the week.

Problem Solving Session: A problem solving session will take place in the online classroom. You will need to log into our Blackboard page, select the link 'Meeting Room' on the left, click on 'Course Room' in the page that opens, and finally click 'Join Course Room' in the frame on the right. Participation is optional, but strongly encouraged.

Technology: No calculators or computer programs will be allowed at any point in the course. A webcam is required to take exams. You may purchase one, or learn how to use your smartphone as a webcam. This webpage has some instructions, **https://www.wired.com/story/use-your-phone-as-webcam/** , but a simple web search will reveal multiple options.

Homework: Homework will be assigned at the end of each class, and will be posted under the corresponding Blackboard link. Completing the homework assignment is the bare minimum of work you should be doing outside of class. Additional problems are available for those who would like extra practice. Homework will not be collected, but completing it is essential to passing the course.

Quizzes: There will be a short quiz posted to Blackboard each week. You must complete it and submit your work through Blackboard. Problems will be based on the current homework.

Exams: There will be a midterm and final exam. You must be logged into the Blackboard online classroom (the same as for problem sessions) with your audio and camera enabled. This will allow me to observe everyone and ensure the integrity of the examination environment. Make-up exams will only be given for extreme circumstances, must be accompanied by official documentation, and I must be notified in advance.

Grading:
Quizzes - 20%
Exams - 40% x2

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

Academic Integrity: Violations of the honor code will not be tolerated.

> *Student members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.*

Important Dates:
Classes Begin - August 24
Last Day to Drop (no tuition liability) - September 8
Last Day to Drop (50% tuition liability) - September 15
Selective Withdrawal Period (100% tuition liability)- September 15 - September 28

Schedule: (Subject to Change)

Week Beginning On	Sections Covered	Notes
8/24	1.1, 1.2, 1.3	
8/31	1.4, 1.5, 1.7	
9/7	1.8, 1.9	
9/14	2.1, 2.2, 2.3	
9/21	2.5, 2.8, 2.9	
9/28	3.1, 3.2, 3.3	
10/5	4.1, 4.2, 4.3	Saturday October 10 Midterm Exam (Ch 1-3) 1:30-3:30pm EDT
10/12	4.4, 4.5	
10/19	4.6, 4.7, 5.1	

10/26	5.2, 5.3, 5.4	
11/2	5.5, 6.1	
11/9	6.2, 6.3	
11/16	6.4, 6.5	
11/23	7.1, 7.2	
11/30	7.4	
12/6		Saturday December 12 Final Exam (Ch 4-7) 1:30-3:30pm EST