Spring 2021

MATH 203 Linear algebra - 008. The section is restricted for Bioengineering majors only

Schedule: MW 10:30 - 11:45 am, online.

Instructor: Igor Griva, igriva@gmu.edu

Office hours: MW 12:15 - 1:15 pm , online

Recitations: F 9:30 – 10:20 am, online

Prerequisites: Grade C or better for MATH 114.

Webpage: http://math.gmu.edu/~igriva/projects/project_01/index.html

Text: Linear Algebra and Its Applications, by Lay, Lay, and McDonald, Sixth Edition, Pearson Education.

My Lab ID: griva07178, https://www.pearson.com/mylab. Click here for instructions how to enroll.

Exams: There are two midterm exams:

Exam 1: March 3 (points 0 - 100)
Exam 2: April 7 (points 0 - 100)

Final Exam: May 5, 10:30 am - 1:15 pm (points 0 - 100)

Quizzes: Quizzes may be given randomly (points 0 - 100)

Final score: F = 0.2*(Exam 1) + 0.2*(Exam 2) + 0.3*(Cumulative Final Exam) + 0.15*(Comp. assign.) + 0.15*(HW and quizzes)

Final grade:

A-:	90 - 92;	A:	92 - 98;	A+:	98 - 100
B-:	80 - 82;	B:	82 - 88;	B+:	88 - 90
C-:	70 - 72;	C:	72 - 78;	C+:	78 - 80
D:	60 - 70;				
F:	0 - 60;				

Homework: Homework will be assigned in the end of each class.

In general: The course covers Linear Equations, Matrix Algebra, Determinants, Vector Spaces, Eigenvalues and Eigenvectors, Orthogonality

Computers: We will be using Matlab to help with matrix calculations. There are computer Labs in Innovation Hall and the Johnson Center. For hours of operation of these labs and other locations see Computing Labs Page. You may also access Matlab through your Mason VPN via the GMU Citrix Virtual Lab.

There are many good Matlab tutorials on the web. For example, Mathworks has one at http://www.mathworks.com/help/matlab/learn_matlab/desktop.html
Another good one for vectors and matrices is at
http://www.cyclismo.org/tutorial/matlab/

Academic Integrity:

Mason is an Honor Code university; please see the Office for Academic Integrity for a full description of the code and the honor committee process. The principle of academic integrity is taken very seriously and violations are treated gravely. What does academic integrity mean in this course? Essentially this: when you are responsible for a task, you will perform that task. When you rely on someone else's work in an aspect of the performance of that task, you will give full credit in the proper, accepted form. Another aspect of academic integrity is the free play of ideas. Vigorous discussion and debate are encouraged in this course, with the firm expectation that all aspects of the class will be conducted with civility and respect for differing ideas, perspectives, and traditions. When in doubt (of any kind) please ask for guidance and clarification.

Disability Services:

If you are a student with a disability and you need academic accommodations, please see me ad contact the Office of Disability Services (ODS) at 993-2474, http://ods.gmu.edu. All academic accommodations must be arranged through the ODS.

Counseling and Psychological Services (CAPS):

(703) 993 2380, http://caps.gmu.edu

University Policies:

The University Catalog, http://catalog.gmu.edu, is the central resource for university policies affecting student, faculty and staff conduct in university academic affair. Other policies are available at http://universitypolicy.gmu.edu.