Syllabus

MATH 203 Section 005 Syllabus

Instructor: Tim Sauer
Office: 4209 Exploratory Hall
Hours: TR 1:30 - 3 pm.
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NOTICE 1: This section is restricted to BioEngineering majors. Please contact Dr. Claudia Borke (cborke@gmu.edu) in order to register.

NOTICE 2: Students in this section will meet Fridays 9:30-10:20 for computational projects in Matlab. Nada Rabbat (nmohamad@gmu.edu) will be our TA for the Friday sessions, which will be held at 9:30 - 10:20 in 326 Innovation Hall.

Prerequisite: MATH 114 - Analytic Geometry and Calculus II

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

It is important to have access to the textbook, for assigned reading and for access to homework exercises. Some students have contacted me about the bookstore recommending MyMathLab access from the book publisher. WE WILL NOT USE MYMATHLAB -- you do not need to buy it. Just get the book. (If you want to buy access, you can use it for practice problems etc, but I will not require it.)

Class schedule: The schedule on Blackboard is the home for all class activities. Before each class meeting at 12pm TR, the student is responsible for reading the assigned sections of the text and viewing the assigned videos. Each video is connected to a Checkup, which consists of one question that tests your basic comprehension of the assigned section. Multiple guesses (up to 5) are allowed for the Checkups. If the Checkup is completed 2 hours before the class meeting (by 10 am) one bonus point will be awarded. The class meeting time will primarily be a time for questions on the material presented in the video. The textbook exercises should be attempted before class, and completed eventually after class.

The Friday sessions will consist of Matlab computer projects designed to be completed during class time. (Some may take a little longer.)

Grading: Four exams (50 pts. each) and the Final Exam (100 pts.) will account for most of the final grade; the remainder will depend on the Friday Matlab projects (10 pts. each) submitted to Blackboard. (The top ten best Matlab projects scores will be counted; the lowest one will be dropped.)

Course Content: The course will cover the following sections: