

Math 322, Summer 2020
Section 002 (Online), CRN 43558
Advanced Linear Algebra

Time:	MTWR 10:30 - 11:30
Place:	Online (Blackboard Collaborate)
Instructor:	Walter Morris
Office Hours:	MTWR 9:30-10:30
e-mail:	wmorris@gmu.edu

Math 322 is a second course in linear algebra. The goal of the course is to study more deeply the mathematical structures encountered in Math 203 in order to appreciate their wide applicability. As stated in the GMU Catalog, topics covered by the course include abstract vector spaces, linear independence, bases, linear transformations, matrix algebra, inner product, and special topics. Reading and writing proofs will be emphasized by this course.

The prerequisites for the course are a C or better in MATH 203 *and* a C or better in Math 290.

The text for the course is **Linear Algebra**, by Friedberg, Insel and Spence, Fifth Edition, published by Pearson (ISBN 9780134860244). We will cover most of chapters 1 - 7 and Appendices C and D. See the Course Calendar in the Syllabus section for details.

There will be daily classroom sessions on Blackboard Collaborate Ultra. In these sessions, we will discuss the materials in the assigned reading. You may ask questions in the classroom sessions. Quizzes will also be given at the end of the classroom sessions. To access Blackboard Collaborate Ultra, click on “Tools” in the main menu, and select Blackboard Collaborate Ultra. Then go to “Course Room.”

There will be three tests during class time, which we will tentatively schedule for June 8, June 16 and June 24. We will not have Blackboard Collaborate sessions on those days. You will download the test file, work the test on pencil and paper, and upload a **.pdf file** from your scanned or photographed work. Each of the classtime tests determines 15% of the final grade.

The final exam is cumulative. It will be given on **July 2, at 10:30 AM**. 25% of the final grade is determined by the final exam.

Daily quizzes make up 10% of the final grade. I will drop the lowest 2 daily quiz grades. Homework contributes 20% of the final grade. Some of the homework involves posting to a discussion board.

The tests and homework will be open book, open notes. You must have read the assigned reading and kept your notes organized to know where to find the relevant information

quickly. The Mason Honor Code applies. You may not receive help from any person or internet site on quizzes or tests. If you receive help from another person on homework, please state who or what site helped you.

Some homework assignments will ask you to post to a class discussion board on Blackboard. Please be respectful and mind the rules of Netiquette. You must carefully craft your communication in the online classroom to avoid misinterpretation.

If you are a student with a disability and you need academic accommodations, please notify me and contact the Office of Disability Services (ODS) at (703) 993-2474. All academic accommodations must be arranged through the ODS.

I check my e-mail often. Feel free to email me with questions. Be certain that you understand all of the homework assigned and all of the assigned reading, and that you ask questions in or out of class in order to clear up any problems you might have.

Other links:

Student rights under FERPA

Online Education Services, University Libraries

Writing Center

Counseling and Psychological Services