

**MATH 322-A01 - ADVANCED LINEAR ALGEBRA, SUMMER 2022**  
**MTWR 10:30AM-12:35PM - PLANETARY HALL ROOM 122**

**Instructor:** Simone Mazzini Bruschi

Office: Exploratory Hall, room 4221

Office hours: MTWR 10:00am-10:30am  
and by appointment

Email: sbruschi@gmu.edu

**Textbook and Materials:** *Linear Algebra*, by S. Friedberg, A. Insel and L. Spencer, Fifth edition published by Pearson

**Course Description** Math 322 is a second course in linear algebra. The goal of the course is build a mathematically rigorous foundation for the principal topics of linear algebra, which include abstract vector spaces, linear independence, bases, linear transformations, matrix algebra, inner product, and special topics. Students will have the opportunity to develop their ability to understand and write proofs in this field, and will become acquainted with some of its applications.

Math 322 covers most of chapters 1 - 7 and Appendices C and D.

**Course Testing schedule:**

There will be two class tests given during class time, and a final exam. There is a tentative schedule for the tests below. You are responsible for keeping up with all information announced in the classroom and on Blackboard. There will be no makeup tests.

	Date and Time
Test 1	Wednesday, June 1
Test 2	Monday, June 13
Final Exam	Thursday, June 23

**Homework:** Problem sets will be assigned regularly throughout the course. You are expected to solve all the assigned problems, although only some of these problems will be handed in and graded.

**Grading:**

Graded Homework	20%
Class participation:	10%
Test:	20% for each quiz
Final Exam:	30%

**Academic integrity:** To promote a stronger sense of mutual responsibility, trust, and, fairness among all members of the Mason community, and with the desire for greater academic and personal achievement, we, the student members of the university community, have set forth this honor code:

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

For the remainder of the code, see: <http://oai.gmu.edu/mason-honor-code>

**Students with Disabilities:** All academic accommodations must be made through the Office of Disability Services (ODS) at 703.993.2474. Students must provide a copy of their Faculty Contact Sheet in order to receive accommodations. Note that accommodations are not retroactive. <https://ds.gmu.edu>

**Equity and Inclusion:** George Mason University is an intentionally inclusive community that promotes and maintains an equitable and just work and learning environment. We welcome and value individuals and their differences including race, economic status, gender expression and identity, sex, sexual orientation, ethnicity, national origin, first language, religion, age, and disability. Please email me if you have any concerns about any feeling of inequity in this course.

**Gender identity and pronoun use:** If you wish, please share your name and gender pronouns with me and how best to address you in class and via email.

**Attendance Policy:** Students are expected to attend all classes. If a student misses a class, it is their responsibility to get notes and relevant information on what they missed.

**Important dates:**

**Classes Begin** - May 23

**Last day to drop with no Tuition Penalty** - May 25

**Last day to drop with Tuition Penalty** - May 31

**Final Exam** - Thursday, June 23.

**No classes** - May 30 (Memorial Day) and June 20 (Juneteenth).