### Math 2522 Section B Applied Linear Algebra

#### Fall 2023

### **CourseOverview**

MATH2522 Applied Linear Algebra 3 Credits

Vectors, natrices, linear independence, vector spaces (with focus on real napace), determinants, linear transformations, eigenvalues and eigenvectors. Applications from engineering and the sciences incorporated through required computer assignments. Credit not given for both MATH 2522 and MATH 2544. Prerequisite MATH 1248 or MATH 1242. Catamount Core MA, QR

### **Learning Outcomes**

Aftersuccessfully completing this cause, the sturbut will be able to

- 1. Solvesystems of linear equations with applications using Gauss Jackanelin in ration and matrix inverse
- 2 Performbasic queations on vectors, inveses, and determinants

cover any absences for university events, illness, family energencies, funerals, and workload issues. No nake up quizzes 

Beprepared for quizzes typically on Wednesdays. No notes, bods, calculators or electronic devices may be used on the quizzes. I will amount equizzes ahead of time on Brightspace.

## TutoringCenter:

The Tutoring Center is fixe to all undergadute students. To schedule an appointment, go to their website. https://www.umedu/academicsuccess/tutoring.center

Tedrical support for sturberts Sturberts should contact the Helpline (802 656 2004) for support with tedrical issues

Math 2522			
	CouseSchedule Detail	Fall 2023	Note Subject to Charge
Week#	Minday	Weds	Fichy
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	Matrices and Systems of	Gauss Judan	EdelonFormandGauss
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faulty in an accommodation letter. All sturkets are strongly recommended to discuss with their faulty the accommodations they plan to use in each course. Faculty who receive Letters of Accommodation with <a href="Disability Related Flexibility Related Flexibility Related Flexibility Agreement">Disability Related Flexibility Agreement.</a> Any questions from faculty or sturkets on the agreements hould be directed to the SAS specialist who is indicated on the letter.

Contact SAS:
A170Living/Learning Center;
8026567753
access@ummedu
www.ummedu/access

Academic Integrity:

The policy achieses plagiaism fabrication collusion, and dreating https://www.umedupolicies/sturbnt/acadmegity.pdf

The Center for Student Conduct has accepted several modules to help students learn about UVMs. Acceleric Integrity Policy, definitions, and process. The modules induce brief readings, videos, quizzes to dreak knowledge, links to resources, survey an students' beliefs about dreating discussion board topics and anhomorphology. We encurage you to dreak at these resources and incorporates one of the mintoy curcuses. To preview the modules, self-enroll in the Bladdorad Organization (CSC OOt: Academic Integrity Faculty Resources). Click here for directions for self-enrolling cross documents of the modules of the mintoy of the process of the mintoy of the process of the mintoy of the process of the policy of the process of the mintoy of the process of the policy of the process of th

### Religious Holidays

Sturkts have the right to practice the religion of their choice. If you need to miss class to choeve and igious holiday, pleases the mitthe dates of your absence to me in writing by the end of the secondfull week of classes. You will be permitted to make up work within a mutually agreed upon time. The complete policy is here.

### Promoting Health & Safety.

The University of Vennut's number or epiloity is to support a healthy and safe community. Center for Health and Wellbeing

Carseling & Psychiatry Services (CAPS) Direct PhreLine (802) 6563340

CARE If you accordent about a UVM community member or accordent about a specific event, we consugary outcommunity the Dean of Students Office (802656388). If you would like to remain a my nous, you can report your concerns or line by visiting the CARE Teamweb ite.

Food Insecurity: The UVM Center for Health & Wellbeing provides several on and off-campus resources for students struggling with food insecurity: <a href="https://www.uvmed.uhealthfoodinsecurity: "https://www.uvmed.uhealthfoodinsecurity: "h

# General statement regarding potential changes during the semister: http://catalog.euwned.r/

The University of Venont reserves the right to make drangs in the course offerings, mode of delivery, degree equirements, drangs, regulations, and procedures contained benefin as educational, financial, and health, safety, and welfare considerations require, or as necessary to be compliant with governmental, acceditation, or public health directives

### Statement on Alcohol and Carnabis in the Academic Environment

As a faultymenter, I want you to get the nost you can out of this course. You play a out is independent out of the course of the