

# COURSE SYLLABUS

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**YEAR COURSE OFFERED:** 2024

**SEMESTER COURSE OFFERED:** Spring

**DEPARTMENT:** Mathematics

**COURSE NUMBER:** MATH 2318:

**NAME OF COURSE:** Linear Algebra

**NAME OF INSTRUCTOR:** Dr. Anna Vershynina

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**The information contained in this class syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.**

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**Class website with complete up-to-date information:**

**<https://www.math.uh.edu/~anna/Teaching.html>**

## **Major Assignments/Exams**

Attendance: 5%  
Homework: 15%  
4 Exams: 20% each

## **Textbook**

We will be using the following book:

- *Linear Algebra and Its Applications (6th Edition)*, David Lay, Steven Lay, Judi McDonald

Homework will not be assigned from this book.

## **Prerequisites:**

Math 1432

## **List of discussion/lecture topics**

The following list is preliminary and subject to change

- Systems of Linear Equation
- Matrix Algebra
- Linear Transformations
- Determinants
- Diagonalization

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- Eigenvalues
- Vectors, vector spaces
- Change of basis
- Orthogonality

**Class meets** MWF 9:00am-10:00am in SEC 202. Class attendance is mandatory. Roll call will be held at the beginning of the class. If you are late to the class and missed a roll call, please see me after the class to check in. Lateness counts as 75% of the presence. If you anticipate to miss a class for an [excused absence](#), you need to let me know about it as soon as possible, and prior to the class, for it not to count as missed class.

## **Technology requirements**

You should have a scanner or certain smartphone apps that allow you to scan your handwritten homework into a pdf file. Alternatively, certain tablets and tablet apps allow you submit your written work directly from the tablet.

## **Recordings of class**

Students may not record all or part of class, live stream all or part of class, or make/distribute screen captures without advanced written consent of the instructor. If you have or think you may have a disability such that you need to record class-related activities, please contact the [Justin Dart Jr. Student Accessibility Center](#). If you have an accommodation to record class-related activities, those recordings may not be shared with any other students, whether in this course or not, or with any other person or on any other platform. Classes may be recorded by the instructor. Students may use instructor's recordings for their own studying or notetaking. Instructor's recordings are not authorized to be shared with anyone without the prior written approval of the instructor. Failure to comply with requirements regarding recordings will result in a disciplinary referral to the Dean of Students Office and may result in disciplinary action.

## **UH Email**

Please check and use your CougarNet email for communications related to this course. Faculty use the CougarNet email to respond to course-related inquiries such as grade queries or progress reports for reasons of FERPA. To access your CougarNet email, [login](#) to your Microsoft 365 account with your CougarNet credentials. Visit [University Information Technology \(UIT\)](#) for instructions on how to connect your CougarNet email on a mobile device.

UH policy states that all required written notices shall be addressed to the student via their UH email. Notices properly addressed and so sent shall be presumed to have been received by the student. Thus, you are responsible for the content in emails sent to your UH account, regardless if your external (non-UH) email provider filters or blocks. Emails lost to external providers shall not be used as a justification to claim faculty are unresponsive, to appeal grades, etc.

## **Honor Code Statement**

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Students may be asked to sign an honor code statement as part of their submission of any graded work including but not limited to projects, quizzes, and exams: "*I understand and agree to abide by the provisions in the [University of Houston Undergraduate Academic Honesty Policy](#) (or [University of Houston Graduate Academic Honesty Policy](#)). I understand that academic honesty is taken very seriously and, in the cases of violations, penalties may include suspension or expulsion from the University of Houston.*"

## **Academic Honesty Policy**

High ethical standards are critical to the integrity of any institution, and bear directly on the ultimate value of the conferred degree. All UH community member are expected to contribute to an atmosphere of the highest possible ethical standards. Maintaining such an atmosphere required that any instances of academic dishonesty by recognized and address. The UH Academic Honesty Policy is designed to handle those instances with fairness to all parties involved: the students, the instructors, and the University itself. All students ans faculty of the University of Houston are responsible for being familiar with this policy.

## **Excused Absence Policy**

Regular class attendance, participation, and engagement in coursework are important contributors to student success. Absences may be excused as provided in the University of Houston [Undergraduate Excused Absence Policy](#) for reasons including: medical illness of student or close relative, death of a close family member, legal or government proceeding that a student is obligated to attend, recognized professional and educational activities where the student is presenting, and University-sponsored activity or athletic competition. Under these policies, students with excused absences will be provided with an opportunity to make up any quiz, exam or other work that contributes to the course grade or a satisfactory alternative. Please read the full policy for details regarding reasons for excused absences, the approval process, and extended absences. Additional policies address absences related to [military service](#), [religious holy days](#), [pregnancy and related conditions](#), and [disability](#).

## **Title IX/Sexual Misconduct**

Per the UH Sexual Misconduct Policy, your instructor is a "responsible employee" for reporting purposes under Title IX regulations and state law and must report incidents of sexual misconduct (sexual harassment, non-consensual sexual contact, sexual assault, sexual exploitation, sexual intimidation, intimate partner violence, or stalking) about which they become aware to the Title IX office. Please know there are places on campus where you can make a report in confidence. You can find more information about resources on the Title IX website at <https://uh.edu/equal-opportunity/title-ix-sexual-misconduct/resources/>.

## **Mental Health and Wellness Resources**

The University of Houston has a number of resources to support students' mental health and overall wellness, including [CoogsCARE](#) and the [UH Go App](#). UH [Counseling and Psychological Services \(CAPS\)](#) offers 24/7 mental health support for all students, addressing various concerns like stress, college adjustment and sadness. CAPS provides individual and couples counseling, group therapy,

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workshops and connections to other support services on and off- campus. For assistance visit [uh.edu/caps](http://uh.edu/caps), call 713-743-5454, or visit a [Let's Talk](#) location in-person or virtually. [Let's Talk](#) are daily, informal confidential consultation with CAPS therapists where no appointment or paperwork is needed.

The [Student Health Center](#) offers a Psychiatry Clinic for enrolled UH students. Call 713-743-5149 during clinic hour, Monday through Friday 8 a.m.-4:30 p.m. to schedule an appointment.

The [A.D. Bruce Religion Center](#) offers spiritual support and a variety of programs centered on well-being.

Need Support Now?

If you or someone you know is struggling or in crisis, help is available. Call CAPS crisis support 24/7 at 713-743-5454, or the National Suicide and Crisis Lifeline: call or text 988, or chat [988lifeline.org](http://988lifeline.org).

## **Reasonable Academic Adjustments/Auxiliary Aids**

The University of Houston is committed to providing an academic environment and education programs that are accessible for its student. Any student with a disability who is experiencing barriers to learning, assessment or participation is encouraged to contact the Justin Dart, Jr. Student Accessibility Center (Dart Center) to learn more about academic accommodations and support that may be available to them. Students seeking academic accommodations will need to register with the Dart Center as soon as possible to ensure timely implement of approved accommodations. Please contact the Dart Center by visiting the website: <https://uh.edu/accessibility/> calling (713)743-5400, or emailing [jdcen@Central.UH.EDU](mailto:jdcen@Central.UH.EDU). If you have any accommodations for this class, please email me by **Friday August 25th**, so these accommodations can be made on time for the first quiz and/or homework, if necessary.

## **Helpful Information**

COVID-19 updates: <https://uh.edu/covid-19/>

Coogs Care: <https://www.uh.edu/dsaes/coogscare/>

Laptop Checkout Requests: <https://www.uh.edu/infotech/about/planning/off-campus/index.php#do-you-need-a-laptop>

Health FAQs: <https://uh.edu/covid-19/faq/health-wellness-prevention-faqs/>

Student Health Center: <https://uh.edu/class/english/lcc/current-students/student-health-center/index.php>