

COURSE SYLLABUS

YEAR COURSE OFFERED: 2019

SEMESTER COURSE OFFERED: Fall

DEPARTMENT: Mathematics

COURSE NUMBER: MATH 4377/6308

NAME OF COURSE: Advanced Linear algebra

NAME OF INSTRUCTOR: Dr. Anna Vershynina

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.

Major Assignments/Exams

Homework: 40%

Midterm: 30%

Final: 30%

Required Reading

"[Linear Algebra with Applications](#)" by Keith Nicholson

List of discussion/lecture topics

The following list is subject to change

- Systems of Linear Equation
- Matrix Algebra
- Linear Transformations
- Determinants
- Diagonalization
- Eigenvalues
- Vectors, vector spaces
- Orthogonality
- Change of basis

Whenever possible, and in accordance with 504/ADA guidelines, the University of Houston will attempt to provide reasonable academic accommodations to students who request and require them. If you believe

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that you have a disability requiring an academic adjustments/auxiliary aid, please visit The Center for Students with DisABILITIES (CSD) website at <http://www.uh.edu/csd/> for more information. Do not hesitate to contact me to discuss such concerns/needs.

The University of Houston System values diversity and inclusion; we are committed to a climate of mutual respect and full participation. Our goal is to create learning environments that are usable, equitable, inclusive and welcoming. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or accurate assessment or achievement, please notify the instructor as soon as possible. Students are also welcome to contact the Center for Students with DisABILITIES at 713.743.5400 or uhcsd@central.uh.edu to discuss a range of options to removing barriers in the course, including reasonable academic adjustments/auxiliary aids in accordance with the Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 guidelines.