

Instructor: Dr. Anna Haensch

Office: 418 College Hall

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Class Meeting: T, H 9:25-10:40, College Hall 447

Office Hours: T 2:00 – 4:00, W 12:00 – 2:00, and by appt.

Course Website: <http://www.mathcs.duq.edu/~haensch/Math410.html>

Course

The goal of *Linear Algebra* is to study the theoretical and computational aspects of systems of linear equations, matrix operations, determinants, vector spaces and subspaces, linear transformations, change of basis, eigenvalues and eigenvectors, diagonalization, and orthogonality. Includes theorems and proof-writing. Prerequisites: MATH 215 and MATH 250..

Supplies

The text for this course is *Linear Algebra Done Wrong*, by Sergei Treil. The text is available as a free PDF download at <https://www.math.brown.edu/~treil/papers/LADW/LADW-2014-09.pdf>.

Grading

		Interval	Letter Grade
		[92.5 – 100]	A
		[89.5 – 92.5)	A-
		[86.5 – 89.5)	B+
		[82.5 – 86.5)	B
		[79.5 – 82.5)	B-
		[76.5 – 79.5)	C+
		[69.5 – 76.5)	C
		[59.5 – 69.5)	D
		[0 – 59.5)	F

Quizzes	50%
Midterm	20%
Final Exam	30%

- **Quizzes:** In lieu of a weekly homework assignment, there will be a quiz at the end of class every other Thursday. Quiz problems will come from among the suggested homework problems posted on the website after class each day. Quizzes will take place on 01.19, 02.02, 02.16, 03.23, 04.06, and 04.20.
- **Exams:** There will be a midterm and final exam. The midterm will be on Thursday, March 2nd. The *cumulative* final exam will be on Thursday, May 4th, 1:30-3:30 in our usual classroom.

Tips for Success

- **My Office Hours:** If you're feeling lost, please come see me in office hours. I'm always happy to answer questions about classwork or homework problems.

- **Work Together:** I strongly encourage working together; collaborating on homework is a great way to maximize your learning. #teamworkmakesthedreamwork
- **Course Website:** Check the course website often for updated homework assignments and course announcements. I will often post new quiz problems right after class.

Course Policies

- **Cell Phones:** The use of cell phones is strictly forbidden in the class.
- **Academic Integrity:** You are encouraged to work together, but any work you submit should be your own. Any cheating in the form of copying, plagiarizing, or allowing others to do so, will be grounds for receiving an F in the course.
- **Disabilities:** It is the policy of Duquesne University to provide reasonable accommodations to students with documented disabilities. If you require accommodations in this class, please contact the Office of Freshman Development and Special Student Services in 309 Duquesne Union (412-396-6657) as soon as possible.