

## MATH 322: LINEAR ALGEBRA (Q)

This class develops the theory of vector spaces and its underlying relevance to matrices and systems of linear equations. Topics include the vector space  $\mathbb{R}^n$ , abstract vector spaces, elementary operations and systems of linear equations, linear transformations, and eigenvectors and eigenvalues. Emphasis is on providing a bridge from the intuitive developments of lower level courses to the more rigorous abstract courses in mathematics. All students will be required to make a presentation on an application area.

**Credits:** 3

**Prerequisites:**

MATH 211 and 231. Alternate years.

**Department:** [Mathematics & Applied Mathematics](#)