MATH-S 303, Honors Course in Linear Algebra, will serve as an introduction to the concepts of linear algebra, at a more abstract level than in M303. Emphasis will be on proofs. The topics included will be sets and functions, groups, vector spaces and dimension, representation of linear transformations, inner product spaces, determinants, eigenvalues and canonical forms. The text will be Linear Algebra: an introduction to abstract mathematics by Robert J. Valenza.

Please contact the MATH department for permission.