MATH 502: 4 s.h.

Linear Algebra

Systems of linear equations, matrix algebra and determinants; real vector spaces, linear independence, basis and dimension; real inner product spaces, Gram-Schmidt orthogonalization; eigen theory and diagonalization; linear transformations and matrix representation. Prereq or Coreq: <u>MATH 311</u>; <u>MATH 310</u>/520 recommended.