

Math4U

김동기 ^{선생} 수학교실 SINCE 1981



Linear Algebra

Pre-University Algebra and Geometry

Topics covered in the course include operations with vectors, scalar multiplications dot and cross products, projections, equations of lines and planes, systems of equations, Gaussian elimination, operations with matrices, determinants, binomial theorem, proof by mathematical induction, complex numbers.

Introductory Algebra for Arts and Social Science

An introduction to applications of algebra to business, the behavioural sciences, and the social sciences. Topics will be chosen from set theory, permutations and combinations, binomial theorem, probability theory, systems of linear equations, vectors and matrices, mathematical induction.

Linear Algebra for Science

Vectors in 2- and 3-space and their geometry. Linear equations, matrices and determinants. Introduction to vector spaces. Eigenvalues and diagonalization. Applications. Complex numbers.

Linear Algebra for Engineering

Linear equations, matrices and determinants. Introduction to vector spaces. Eigenvalues and diagonalization. Applications. Complex numbers.

Applied Linear Algebra 1

Systems of linear equations. Matrix algebra. Determinants. Introduction to vector spaces. Applications.