

COURSE DETAIL

LINEAR ALGEBRA AND GEOMETRY I

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

King's College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

LINEAR ALGEBRA AND GEOMETRY I

UCEAP Transcript Title

LINEAR ALGEB/GEOM I

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines complex numbers; vector spaces: row and column vectors (real and complex), linear combinations, abstract vector spaces, bases and dimension of vector spaces; linear maps: definitions and examples, matrix of a linear map, composition, invertibility and isomorphisms; solving systems of linear equations using linear algebra; determinants: definition and properties; eigenvectors and eigenvalues: definitions, diagonalisation of matrices, canonical forms of 2x2 matrices.

Language(s) of Instruction

English

Host Institution Course Number

4CCM113A

Host Institution Course Title

LINEAR ALGEBRA AND GEOMETRY I

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/module?id=2b7c507b-d310-47a9-ab15-0...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

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