

COURSE DETAIL

ADVANCED LINEAR ALGEBRA

Country

Ireland

Host Institution

University College Dublin

Program(s)

Irish Universities, University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

114

UCEAP Course Suffix**UCEAP Official Title**

ADVANCED LINEAR ALGEBRA

UCEAP Transcript Title

ADV LINEAR ALGEBRA

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

In this course, students explore and develop some of the more advanced ideas in linear algebra. Topics include a review of polynomials, endomorphism algebras, eigenvalues and eigenvectors, matrix algebras, direct sums of subspaces, the primary decomposition theorem, reduction to triangular form, reduction to Jordan form, and special topics.

Language(s) of Instruction

English

Host Institution Course Number

MATH30030

Host Institution Course Title

ADVANCED LINEAR ALGEBRA

Host Institution Campus

UC Dublin

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Mathematics

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