

# 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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