

# COURSE DETAIL

## LINEAR ALGEBRA II

**Country**

United Kingdom - England

**Host Institution**

University of London, Royal Holloway

**Program(s)**

University of London, Royal Holloway

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

110

**UCEAP Course Suffix****UCEAP Official Title**

LINEAR ALGEBRA II

**UCEAP Transcript Title**

LINEAR ALGEBRA II

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course covers linear transformations and their matrix representations, as well as associated concepts such as change of bases, and the rank and nullity of a linear map and the connection between them. Students also study a variety of methods and topics in linear algebra such as diagonalization, orthonormal bases, and the Gram-Schmidt orthogonalization procedure.

## Language(s) of Instruction

English

## Host Institution Course Number

MT2800V

## Host Institution Course Title

LINEAR ALGEBRA II

## Host Institution Campus

Royal Holloway

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Mathematics

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