

## COURSE DETAIL

### LINEAR ALGEBRA 2

**Country**

France

**Host Institution**

University of Bordeaux

**Program(s)**

University of Bordeaux

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

103

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

LINEAR ALGEBRA 2

**UCEAP Transcript Title**

LINEAR ALGEBRA 2

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This course covers the following topics and subtopics: reduction of endomorphisms, determinants, eigenvectors, and eigenvalues; characteristic polynomials and minimal polynomials; Cayley-Hamilton Theorem; diagonalization and trigonalization; Dunford and Gauss-Jordan Reductions; Hermitian and Euclidean spaces; bilinear forms; quadratic forms; self-adjoint; and orthogonal groups in 2 or 3 dimensions.

## Language(s) of Instruction

French

## Host Institution Course Number

4TTI302U,4TTI307U

## Host Institution Course Title

LINEAR ALGEBRA 2

## Host Institution Campus

UNIVERSITÉ DE BORDEAUX

## Host Institution Faculty

Collège des Sciences et Techniques

## Host Institution Degree

## Host Institution Department

Mathématiques

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