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
ALGÈBRE LINEAIRE 2

Host Institution Course Details

Host Institution Campus
UNIVERSITÉ DE BORDEAUX

Host Institution Faculty
Collège des Sciences et Techniques

Host Institution Degree

Host Institution Department
Mathématiques

Course Last Reviewed
2024-2025

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