

COURSE DETAIL

LINEAR ALGEBRA

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

144

UCEAP Course Suffix**UCEAP Official Title**

LINEAR ALGEBRA

UCEAP Transcript Title

LINEAR ALGEBRA

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course examines the basic theory of matrix and linear equations, including: concept, property and computation of determinants; operation of matrices; special matrices; inverse matrix; rank and elementary transformation; judgment and structure of solutions; linear relations of vectors; concept and property of eigenvalues and eigenvectors; conditions of a matrix similar to a diagonal matrix; methods to decide the sign of quadratic form; and an application on optimization.

Language(s) of Instruction

Chinese

Host Institution Course Number

MATH120044

Host Institution Course Title

LINEAR ALGEBRA

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Shuqin ZHANG

Host Institution Degree

Host Institution Department

Mathematical Science

Course Last Reviewed

2021-2022

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