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 Campus

Host Institution Faculty
Shuqin ZHANG

Host Institution Degree

Host Institution Department
Mathematical Science

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