COURSE DETAIL

LINEAR ALGEBRA I

Country
Singapore

Host Institution
National University of Singapore

Program(s)
National University of Singapore

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
112

UCEAP Course Suffix
A

UCEAP Official Title
LINEAR ALGEBRA I

UCEAP Transcript Title
LINEAR ALGEBRA I

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

This course introduces and investigates fundamental concepts of linear algebra in the context of the Euclidean spaces R^n. Topics include systems of linear equations, matrices, determinants, Euclidean spaces, linear combinations and linear span, subspaces, linear independence, bases and dimension, rank of a matrix, inner products, eigenvalues and eigenvectors, diagonalization, linear transformations between Euclidean spaces, and applications.

Language(s) of Instruction
English

Host Institution Course Number
MA2001

Host Institution Course Title
LINEAR ALGEBRA I

Host Institution Course Details
https://nusmods.com/courses/MA2001/linear-algebra-i

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2023-2024

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