COURSE DETAIL

INTRODUCTION TO LINEAR ALGEBRA
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 111
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO LINEAR ALGEBRA
UCEAP Transcript Title INTRO LIN ALGERBRA
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

An introduction to linear algebra, mainly in R^n but concluding with an introduction to abstract vector spaces. The principal topics are vectors, systems of linear equations, matrices, eigenvalues and eigenvectors, and orthogonality. The important notions of linear independence, span and bases are introduced. This course is both a preparation for the practical use of vectors, matrices, and systems of equations and also lays the groundwork for a more abstract, pure-mathematical treatment of vector spaces. Students learn how to use a computer to calculate the results of some simple matrix operations and to visualize vectors.

Language(s) of Instruction
English

Host Institution Course Number
MATH08057

Host Institution Course Title
INTRODUCTION TO LINEAR ALGEBRA

Host Institution Course Details
http://www.drps.ed.ac.uk/23-24/dpt/cxmath08057.htm

Host Institution Campus

Host Institution Faculty
School of Mathematics

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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