COURSE DETAIL

LINEAR ANALYSIS

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
112

UCEAP Course Suffix

UCEAP Official Title
LINEAR ANALYSIS

UCEAP Transcript Title
LINEAR ANALYSIS

UCEAP Quarter Units
4.00

UCEAP Semester Units
2.70

Course Description

This course introduces students to techniques and tools in modern analysis which have important uses in a variety of areas of analysis, including the study of partial differential equations and Fourier analysis. Students achieve this in the context of linear analysis, introducing normed linear, inner product spaces and their completions, Banach and Hilbert spaces. The structure and geometry of these spaces are studied as well as continuous linear operators acting on them.

Language(s) of Instruction
English

Host Institution Course Number
MATH10082

Host Institution Course Title
LINEAR ANALYSIS

Host Institution Campus
University of Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
School of Mathematics

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