COURSE DETAIL

LINEAR ANALYSIS

Country
Sweden

Host Institution
Lund University

Program(s)
Lund University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
143

UCEAP Course Suffix

UCEAP Official Title
LINEAR ANALYSIS

UCEAP Transcript Title
LINEAR ANALYSIS

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course covers the following: numerical series and convergence criteria; function series, power and Fourier series, absolute and uniform convergence, pointwise convergence; important theorems about Fourier series: Parseval's formula, Bessel's inequality, convergence theorems; cosine and sine series; applications within classical partial differential equations; the Fourier transform, theory and applications.

Language(s) of Instruction

English

Host Institution Course Number

MATB24

Host Institution Course Title

LINEAR ANALYSIS

Host Institution Course Details

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

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