COURSE DETAIL

REAL ANALYSIS
Country Norway
Host Institution University of Oslo
Program(s) University of Oslo
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 111
UCEAP Course Suffix
UCEAP Official Title REAL ANALYSIS
UCEAP Transcript Title REAL ANALYSIS
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description
This course is a continuation of Calculus and Linear Algebra. The theory is generalized from finite dimensional spaces to spaces that may be infinite dimensional, and whose elements typically are functions, rather than numbers or what was previously considered as vectors. The course discusses key concepts including convergence, continuity, differentiability, completeness, and compactness. The theory is applied to problems from differential equations and Fourier analysis. The course provides training in mathematical reasoning and lays the theoretical foundation for further studies in mathematical analysis. The course requires students to have met specific prerequisites in order to enroll in the course.

Language(s) of Instruction
English

Host Institution Course Number
MAT2400

Host Institution Course Title
REAL ANALYSIS

Host Institution Course Details

Host Institution Campus
Mathematics and Natural Sciences

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed

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