COURSE DETAIL

HONORS 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
141

UCEAP Course Suffix

UCEAP Official Title
HONORS ANALYSIS

UCEAP Transcript Title
HONORS ANALYSIS

UCEAP Quarter Units
8.00

UCEAP Semester Units
5.30

Course Description

This is a second course in real analysis at the University of Edinburgh and builds on ideas in the analysis portion of Fundamentals of Pure Mathematics. The course begins with sequences and series of real numbers, introducing the concept of Cauchy sequences and results for bounded sequences. Subsequently, sequences and series of functions are introduced and concepts of uniform convergence and power series are discussed. The concept of Lebesgue integral on real line is then developed. Finally, the rudiments of Fourier series are introduced.

Language(s) of Instruction
English

Host Institution Course Number
MATH10068

Host Institution Course Title
HONOURS ANALYSIS

Host Institution Course Details
http://www.drps.ed.ac.uk/21-22/dpt/cxmath10068.htm

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2022-2023

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