COURSE DETAIL

INTRODUCTION TO REAL ANALYSIS
Country New Zealand
Host Institution Victoria University of Wellington
Program(s) Victoria University of Wellington
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 106
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO REAL ANALYSIS
UCEAP Transcript Title INTRO REAL ANALYSIS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course is an introduction to the basic techniques of real analysis within the context of single-variable calculus. Topics include a review of the real number system and the completeness axiom, limits of sequences and the algebra of limits; limits of functions and the algebra of limits; continuous functions and their algebraic properties; the intermediate value theorem; differentiable functions and the algebra of differentiation; the mean value theorem and Taylor's theorem; the Riemann integral; and the fundamental theorems of calculus.

Language(s) of Instruction
English

Host Institution Course Number
MATH212

Host Institution Course Title
INTRODUCTION TO REAL ANALYSIS

Host Institution Campus
Wellington

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

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