COURSE DETAIL

REAL ANALYSIS

Country
South Africa

Host Institution
University of Cape Town

Program(s)
University of Cape Town

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
115

UCEAP Course Suffix

UCEAP Official Title
REAL ANALYSIS

UCEAP Transcript Title
REAL ANALYSIS

UCEAP Quarter Units
4.00

UCEAP Semester Units
2.70

Course Description

Study the fundamentals of real analysis, including Axioms of the real numbers, supremum and infimum; Countable sets; Sequences and series; Open and closed sets, compactness; Limits, continuity, differentiability; Sequences and series of functions, uniform convergence, power series; Integration. Please note that lectures alternate during the week so that students can take any of MAM2012S, MAM2013S and MAM2014S concurrently.

Language(s) of Instruction
English

Host Institution Course Number
MAM2014S

Host Institution Course Title
REAL ANALYSIS

Host Institution Course Details
https://www.uct.ac.za/sites/default/files/media/documents/uct-handbook-11-2025-...

Host Institution Campus
University of Cape Town

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Math and Applied Math

Course Last Reviewed
2025-2026

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