MATH0051 (Analysis 4: Real Analysis)

Year: 2018–2019
Code: MATH0051
Old code: MATH7102
Level: 6 (UG)
Normal student group(s): UG: Year 2 and 3 Mathematics degrees
Value: 15 credits (= 7.5 ECTS credits)
Term: 2
Structure: 3 hour lectures and 1 hour problem class per week. Assessed coursework.
Assessment: 90% examination, 10% coursework. In order to pass the module you must have at least 40% for both the examination mark and the final weighted mark.
Normal Pre-requisites: MATH0004 (previously MATH1102)
Lecturer: Dr N Sidorova
Problem class teacher: Mr D Lekkas

Course Description and Objectives

The course aims to reinforce and extend analysis of a single variable to topics including uniform convergence. The concept of a metric space is then developed to produce results generalising those in one variable.

Recommended Texts

A recommended book is Rudin, Principles of Mathematical Analysis.

Detailed Syllabus