COURSE DETAIL

DIFFERENTIAL AND INTEGRAL ANALYSIS
Country United Kingdom - England
Host Institution University of London, Queen Mary
Program(s) University of London, Queen Mary
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 151
UCEAP Course Suffix
UCEAP Official Title DIFFERENTIAL AND INTEGRAL ANALYSIS
UCEAP Transcript Title DIFF&INTEGRAL ANLYS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides a basis for differential and integral calculus, examining the theory behind differentiation and integration rather than their applications. The course includes some full proofs, and covers differentiable functions, the algebra of derivatives, and key theorems. Students study integration involving the Riemann integral; the Fundamental Theorem of Calculus and applications, as well as sequences of functions; pointwise and uniform convergence; the Weierstrass M-test; and term-by-term integration of power series.

Language(s) of Instruction
English

Host Institution Course Number
MTH5105

Host Institution Course Title
DIFFERENTIAL AND INTEGRAL ANALYSIS

Host Institution Course Details
https://qmplus.qmul.ac.uk/mod/data/view.php?d=1041&rid=150031

Host Institution Campus
QMUL

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematical Sciences

Course Last Reviewed
2019-2020

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