COURSE DETAIL

COMPLEX ANALYSIS
Country United Kingdom - England
Host Institution University of Sussex
Program(s) University of Sussex
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title COMPLEX ANALYSIS
UCEAP Transcript Title COMPLEX ANALYSIS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course explores holomorphic functions, Cauchy's theorem and its consequences, power series, integration, differentiation and analysis of convergence, Taylor expansions and circle of convergence, Laurent expansions and, classification of isolated singularities, residue theorem and evaluation of integrals, and Rouche's theorem and the fundamental theorem of algebra.

Language(s) of Instruction
English

Host Institution Course Number
G5110

Host Institution Course Title
COMPLEX ANALYSIS

Host Institution Course Details
http://www.sussex.ac.uk/modules/2018/G5110-complex-analysis

Host Institution Campus
University of Sussex

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2019-2020

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