COURSE DETAIL

COMPLEX ANALYSIS

Country
United Kingdom - Scotland

Host Institution
University of St Andrews

Program(s)
Scottish Universities,Psychology and Neuroscience, St Andrews,University of St Andrews

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
108

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 introduces students to analytic function theory and applications. The topics include analytic functions, Cauchy-Riemann equations, harmonic functions, multivalued functions and the cut plane, singularities, Cauchy's theorem, Laurent series, evaluation of contour integrals, fundamental theorem of algebra, Argument Principle, and Rouche's Theorem.

Language(s) of Instruction
English

Host Institution Course Number
MT3503

Host Institution Course Title
COMPLEX ANALYSIS

Host Institution Course Details

Host Institution Campus
St Andrews

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics & Statistics

Course Last Reviewed

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