

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 Rouché'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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