COURSE DETAIL

COMPLEX ANALYSIS

Country
Ireland

Host Institution
University College Cork

Program(s)
University College Cork

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
113

UCEAP Course Suffix

UCEAP Official Title
COMPLEX ANALYSIS

UCEAP Transcript Title
COMPLEX ANALYSIS

UCEAP Quarter Units
4.00

UCEAP Semester Units
2.70

Course Description

Topics in this course include: bilinear mappings; complex differential functions; power series; complex contour integrals; Cauchy's theorem and integral formula; Taylor's theorem; zeros of analytic functions and Rouche's theorem; maximum modulus principle; singularities and Laurent series; poles and residues; and residue calculus.

Language(s) of Instruction

English

Host Institution Course Number

MA3054

Host Institution Course Title

COMPLEX ANALYSIS

Host Institution Campus

UC CORK

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics