

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 Rouché'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 Course Details

<https://www.ucc.ie/admin/registrar/modules/?mod=ma3054>

Host Institution Campus

UC CORK

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Mathematics

Course Last Reviewed

2018-2019

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