

COURSE DETAIL

COMPLEX ANALYSIS

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

127

UCEAP Course Suffix

E

UCEAP Official Title

COMPLEX ANALYSIS

UCEAP Transcript Title

COMPLEX ANALYSIS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of complex analysis. Topics include: holomorphic functions; analytic functions-- power series and elementary functions; complex integration-- Cauchy's integral formula and applications; the residue theorem and applications-- evaluation of integrals and series; conformal maps.

Prerequisites: Linear Algebra, Differential Calculus, Integral Calculus, Vector Calculus.

Language(s) of Instruction

English

Host Institution Course Number

18271

Host Institution Course Title

VARIABLE COMPLEJA

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=362&anio=2021&plan=433&asig=18...>

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Matemática Aplicada y Computación

Host Institution Department

Departamento de Matemáticas

Course Last Reviewed

2021-2022

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