COURSE DETAIL

5.00

UCEAP Semester Units

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** Е **UCEAP Official Title COMPLEX ANALYSIS UCEAP Transcript Title COMPLEX ANALYSIS UCEAP Quarter Units**

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 Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Matemática Aplicada y Computación

Host Institution Department

Departamento de Matemáticas

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