# COURSE DETAIL

## HONORS COMPLEX VARIABLES

**Country**
United Kingdom - Scotland

**Host Institution**
University of Edinburgh

**Program(s)**
University of Edinburgh

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Mathematics

**UCEAP Course Number**
102

**UCEAP Course Suffix**

**UCEAP Official Title**
HONORS COMPLEX VARIABLES

**UCEAP Transcript Title**
COMPLEX VARIABLES

**UCEAP Quarter Units**
8.00

**UCEAP Semester Units**
5.30

**Course Description**
This is a first course in complex analysis. Topics include analytic functions, Mobius transformations and the Riemann sphere, complex integration, series expansions, and the residue calculus and its applications. In the skills section of this course students work on mathematical reading and writing, although the skills involved are widely applicable to reading and writing technical and non-technical reports. Students then use these skills to write a report after completing a group project re-searching a topic connected with complex numbers or complex analysis.

**Language(s) of Instruction**
English

**Host Institution Course Number**
MATH10067

**Host Institution Course Title**
HONOURS COMPLEX VARIABLES

**Host Institution Course Details**
https://www.ed.ac.uk/global/study-abroad/course?year=17-18&vcf-period=semester_...

**Host Institution Campus**
Edinburgh

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Mathematics

**Course Last Reviewed**
2018-2019

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