# COURSE DETAIL

| INTRODUCTION TO COMPLEX ANALYSIS |
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| **Country**<br>Norway |
| **Host Institution**<br>University of Oslo |
| **Program(s)**<br>University of Oslo |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Mathematics |
| **UCEAP Course Number**<br>105 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>INTRODUCTION TO COMPLEX ANALYSIS |
| **UCEAP Transcript Title**<br>INTRO COMPLX ANALYS |
| **UCEAP Quarter Units**<br>8.00 |
| **UCEAP Semester Units**<br>5.30 |

**Course Description**
This course provides an introduction to the theory of functions of a complex variable. Key topics in the subject are analytical and harmonic functions and their properties, potency and Laurent lines, isolated singular points, Cauchy's integral and residual drawing, the maximum principle, Schwarz lemma, and consistent images.

**Language(s) of Instruction**
English

**Host Institution Course Number**
MAT2410

**Host Institution Course Title**
INTRODUCTION TO COMPLEX ANALYSIS

**Host Institution Course Details**

**Host Institution Campus**
Mathematics and Natural Sciences

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Mathematics

**Course Last Reviewed**

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