

COURSE DETAIL

ANALYSIS IN ONE VARIABLE

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

121

UCEAP Course Suffix**UCEAP Official Title**

ANALYSIS IN ONE VARIABLE

UCEAP Transcript Title

ANALYS ONE VARIABLE

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

The course gives an introduction to differential and integral calculus with emphasis on theoretical aspects. The following topics are covered: basic properties of real numbers; limits and numerical series; properties of continuous functions of one variable; differential calculus and optimization of real functions; drawing curves; elementary functions; integral calculus for real functions; simple differential equations; Taylor's formula with applications; numerical aspects of the above.

Language(s) of Instruction

English

Host Institution Course Number

MATA21

Host Institution Course Title

ANALYSIS IN ONE VARIABLE

Host Institution Campus

Science

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

Mathematics

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