

COURSE DETAIL

MATHEMATICAL METHODS OF PHYSICS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics Mathematics

UCEAP Course Number

154

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICAL METHODS OF PHYSICS

UCEAP Transcript Title

MATH MTHDS PHYSICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The objective of the course is to teach the student more advanced mathematical tools and methods that are useful in physics, and to apply these methods on concrete physical systems. Topics include analytic functions, special functions, Fourier analysis: Laplace transforms, ordinary differential equations, partial differential equations, and Green's functions.

Language(s) of Instruction

English

Host Institution Course Number

FYTN01

Host Institution Course Title

MATHEMATICAL METHODS OF PHYSICS

Host Institution Course Details

<https://canvas.education.lu.se/courses/6597>

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2021-2022

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