

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

163

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

This course covers analytic functions, special functions (gamma function, Bessel functions, Legendre polynomials and spherical harmonics), Fourier series and Fourier transforms, Laplace transforms, Ordinary differential equations, partial differential equations, and green functions.

Language(s) of Instruction

English

Host Institution Course Number

FYSN31

Host Institution Course Title

MATHEMATICAL METHODS OF PHYSICS

Host Institution Course Details

<https://www.lunduniversity.lu.se/lubas/i-uoh-lu-FYSN31>

Host Institution Campus

Lund

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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