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 an d 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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