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 Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

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