

## COURSE DETAIL

### MATHEMATICAL METHODS IN PHYSICS

**Country**

Norway

**Host Institution**

University of Oslo

**Program(s)**

University of Oslo

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics Mathematics

**UCEAP Course Number**

117

**UCEAP Course Suffix****UCEAP Official Title**

MATHEMATICAL METHODS IN PHYSICS

**UCEAP Transcript Title**

MATH METHOD PHYSICS

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

**Course Description**

This course addresses a number of important mathematical methods often used in physics. The course discusses topics including basic complex analysis, differential equations, Fourier series, and transforms, tensor calculus, variational calculus, orthogonal functions, and Laplace transformations.

**Language(s) of Instruction**

English

**Host Institution Course Number**

FYS3140

**Host Institution Course Title**

MATHEMATICAL METHODS IN PHYSICS

**Host Institution Campus**

Mathematics and Natural Sciences

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

Physics

[Print](#)