COURSE DETAIL

COMPUTATIONAL PHYSICS
Country Norway
Host Institution University of Oslo
Program(s) University of Oslo
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 135
UCEAP Course Suffix
UCEAP Official Title COMPUTATIONAL PHYSICS
UCEAP Transcript Title COMPUTATIONAL PHYS
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

This course provides an introduction to numerical methods for solving problems in physics and chemistry, including methods for solving ordinary and partial differential equations, matrix operations and eigenvalue problems, numerical integration, Monte Carlo methods, and modeling. The course also covers a short and hands-on introduction to programming in C++ and version control with git, and provides training in how to write a scientific report.

Language(s) of Instruction
English

Host Institution Course Number
FYS3150

Host Institution Course Title
COMPUTATIONAL PHYSICS

Host Institution Course Details
https://www.uio.no/studier/emner/matnat/fys/FYS3150/index-eng.html

Host Institution Campus

Host Institution Faculty
Mathematics and Natural Sciences

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2023-2024

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