

COURSE DETAIL

COMPUTATIONAL PHYSICS

Country

Spain

Host Institution

University of Barcelona

Program(s)

University of Barcelona

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

134

UCEAP Course Suffix**UCEAP Official Title**

COMPUTATIONAL PHYSICS

UCEAP Transcript Title

COMPUTATNL PHYSICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the use of computational tools to solve specific and simple problems in different fields of physics. Topics include: operating systems and programming languages; interpolation and roots of functions; numerical integration; random numbers and Monte Carlo integration; ordinary differential equations; partial differential equations.

Language(s) of Instruction

Host Institution Course Number

360594

Host Institution Course Title

FÍSICA COMPUTACIONAL

Host Institution Course Details

<https://grad.ub.edu/grad3/plae/AccesInformePD?curs=2023&codiGiga=360594&idioma=...>

Host Institution Campus

Campus Diagonal

Host Institution Faculty

Facultad de Física

Host Institution Degree

Física

Host Institution Department

Departamento de Física Quantica y Astrofísica

Course Last Reviewed

2023-2024

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