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; o rdinary differential equations; partial differential equations.

Language(s) of Instruction

Host Institution Course Number
360594

Host Institution Course Title
COMPUTATIONAL PHYSICS

Host Institution Campus
Campus Diagonal

Host Institution Faculty
Facultad de Física

Host Institution Degree
Física

Host Institution Department
Departamento de Física Quantica y Astrofísica

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