COURSE DETAIL

PHYSICS III
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Carlos III University of Madrid
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 17
UCEAP Course Suffix
UCEAP Official Title PHYSICS III
UCEAP Transcript Title PHYSICS III
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course explores abstract physical concepts through lectures, experiments, and problem solving with the aid of mathematical tools. Topics include: electric charges and electric forces; the electric field; electric flux and Gauss' law; electrostatic potential energy; capacitance and dielectrics; current and resistance; magnetic fields; sources of magnetic fields; electromagnetic induction; electromagnetic waves; properties of light. Pre-requisites: Physics I; Calculus I and II; Linear Algebra.

Language(s) of Instruction
English

Host Institution Course Number
15536

Host Institution Course Title
FÍSICA III

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=257&anio=2024&plan=522&asig=15...

Host Institution Campus
LEGANÉS

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Grado en Ingeniería Biomédica

Host Institution Department
Departamento de Física

Course Last Reviewed
2024-2025

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