

COURSE DETAIL

PRINCIPLES OF ELECTROMAGNETISM AND OPTICS

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

105

UCEAP Course Suffix**UCEAP Official Title**

PRINCIPLES OF ELECTROMAGNETISM AND OPTICS

UCEAP Transcript Title

ELECTROMAG&OPTICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the fundamental concepts of electromagnetism and optics. Topics include: electric field; electric potential; conductors; electric current; magnetic field; electromagnetic induction; alternating current; Maxwell's equations; reflection and refraction of light; mirrors, diopters, and lenses; optical instruments.

Language(s) of Instruction

Host Institution Course Number

360565

Host Institution Course Title

PRINCIPLES OF ELECTROMAGNETISM AND OPTICS

Host Institution Campus

Campus Diagonal

Host Institution Faculty

Facultad de Física

Host Institution Degree

Física

Host Institution Department

Departamento de Física Aplicada

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