

# COURSE DETAIL

## PHYSICS FUNDAMENTALS I

**Country**

Spain

**Host Institution**

Complutense University of Madrid

**Program(s)**

Complutense University of Madrid

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

15

**UCEAP Course Suffix****UCEAP Official Title**

PHYSICS FUNDAMENTALS I

**UCEAP Transcript Title**

PHYSICS FUND I

**UCEAP Quarter Units**

7.00

**UCEAP Semester Units**

4.70

## Course Description

This course offers a study of fundamental physics concepts. Topics include: kinematics; dynamics; work and energy; motion of a system of particles; rigid objects; relativity; oscillatory motion; kinematics of a harmonic oscillator; universal gravitation; fluids; thermodynamics. Pre-requisites: high school-level math and physics.

## Language(s) of Instruction

### Host Institution Course Number

800490

### Host Institution Course Title

FUNDAMENTOS DE FÍSICA I

### Host Institution Course Details

<https://www.ucm.es/data/cont/docs/18-2021-06-30-PhF1.pdf>

### Host Institution Campus

MONCLOA

### Host Institution Faculty

Facultad de Ciencias Físicas

### Host Institution Degree

GRADO EN FÍSICA

### Host Institution Department

### Course Last Reviewed

2024-2025

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