

# COURSE DETAIL

## CONCEPTUAL PHYSICS

**Country**

Ireland

**Host Institution**

University College Dublin

**Program(s)**

University College Dublin

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

52

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

CONCEPTUAL PHYSICS

**UCEAP Transcript Title**

CONCEPTUAL PHYSICS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

An understanding of physics is critical to address fundamental questions about our world and to innovate next generation technologies. This course presents an overview of the core physics concepts underlying many modern technologies. No prior physics knowledge is required. Students do not need calculus or advanced math for this course, but they should be comfortable, for example, adding fractions, using scientific notation, and with algebraic manipulation. Topics include energy and thermodynamics, gravity and relativity, waves, light, and optics, and quantum mechanics.

### Language(s) of Instruction

English

### Host Institution Course Number

PHYC10200

### Host Institution Course Title

CONCEPTUAL PHYSICS

### Host Institution Course Details

[https://hub.ucd.ie/usis/!W\\_HU\\_MENU.P\\_PUBLISH?p\\_tag=MODULE&MODULE=PHYC10200](https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=PHYC10200)

### Host Institution Campus

University College Dublin

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Science

### Course Last Reviewed

2023-2024

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