

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 Campus

University College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Science

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