

COURSE DETAIL

THEORETICAL PHYSICS

Country

United Kingdom - England

Host Institution

University of Sussex

Program(s)

University of Sussex

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

135

UCEAP Course Suffix**UCEAP Official Title**

THEORETICAL PHYSICS

UCEAP Transcript Title

THEORETICAL PHYSICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

In this course, students get an introduction to common methods of theoretical physics. The course focuses on classical mechanics while including relativity and some electrodynamics, including covariant formulation. Students are introduced to and apply mathematical concepts such as Lagrangians, least-action principle, four-vectors, and tensors.

Language(s) of Instruction

English

Host Institution Course Number

F3217

Host Institution Course Title

THEORETICAL PHYSICS

Host Institution Course Details

<https://www.sussex.ac.uk/study/modules/undergraduate/2026/102301-theoretical-ph...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2025-2026

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