

COURSE DETAIL

LASERS AND PHOTONICS

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

155

UCEAP Course Suffix**UCEAP Official Title**

LASERS AND PHOTONICS

UCEAP Transcript Title

LASERS&PHOTONICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers Maxwell equations, optical field-matter interaction, principles of lasers and rate equations, optical resonators, plane waves, ray-tracing, and Gaussian beams.

Language(s) of Instruction

English

Host Institution Course Number

F3218

Host Institution Course Title

LASERS AND PHOTONICS

Host Institution Course Details

<https://www.sussex.ac.uk/study/modules/undergraduate/2026/98420-lasers-and-phot...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2025-2026

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