

COURSE DETAIL

OPTICS

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

King's College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

114

UCEAP Course Suffix

A

UCEAP Official Title

OPTICS

UCEAP Transcript Title

OPTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course introduces some of the governing principles used to model, understand, and solve problems in optics. Students learn about light and how it interacts with different media. Topics cover wave motion, electromagnetic theory, the propagation of light, geometrical optics, superposition of waves, polarization, interference and diffraction, as well as nonlinear optics. Common applications, such as lasers, are discussed throughout.

Language(s) of Instruction

English

Host Institution Course Number

6CCP3380

Host Institution Course Title

OPTICS

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/optics-1>

Host Institution Campus

King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2023-2024

[Print](#)