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

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