

COURSE DETAIL

PHYSICAL OPTICS

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

141

UCEAP Course Suffix**UCEAP Official Title**

PHYSICAL OPTICS

UCEAP Transcript Title

PHYSICAL OPTICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines the development of modern physical optics, with particular attention to the physical properties and applications of light in the advanced undergraduate level. It covers wave theory of electromagnetic radiations and light; geometric optics; the propagation and superposition of light waves; interference, diffraction and coherence of light; fourier optics; and some topics of modern optics.

Language(s) of Instruction

English

Host Institution Course Number

PHYS3850

Host Institution Course Title

PHYSICAL OPTICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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