

COURSE DETAIL

FOUNDATIONS OF LASER AND SPECTROSCOPY

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

137

UCEAP Course Suffix**UCEAP Official Title**

FOUNDATIONS OF LASER AND SPECTROSCOPY

UCEAP Transcript Title

LASER& SPECTROSCOPY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines lasers and laser spectroscopy techniques. It covers fundamentals of optical processes and spectroscopic techniques; lasers as spectroscopic light sources; components of spectroscopic instruments; raman spectroscopy; nonlinear spectroscopy; nonlinear optics; time-resolved spectroscopy; photoelectron spectroscopy; and new developments in laser spectroscopy.

Language(s) of Instruction

English

Host Institution Course Number

PHYS3750

Host Institution Course Title

FOUNDATIONS OF LASER AND SPECTROSCOPY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

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