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; r aman 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 Course Details
https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course_code=PHYS3...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2022-2023

Print