COURSE DETAIL

QUANTUM MECHANICS
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 108
UCEAP Course Suffix
UCEAP Official Title QUANTUM MECHANICS
UCEAP Transcript Title QUANTUM MECHANICS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course builds on the foundation modern physics course. The course discusses quantum mechanics in the advanced undergraduate level with vigorous mathematical treatment. It serves as a core course for physics major students as well as an elective core for those who are interested to gain a deep understanding of quantum mechanics and to apply related techniques in their own majors. Topics include: particle properties of wave, wave properties of particle, Schrodinger Equation, some solutions to Time Independent Schrodinger Equation, hydrogen atom, spin and many particles system. Text: D.J. Griffiths, INTRODUCTION TO QUANTUM MECHANICS. Assessment: assignments, lab reports, final exam. Prerequisite: modern physics.

Language(s) of Instruction
English

Host Institution Course Number
PHYS3351

Host Institution Course Title
QUANTUM MECHANICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

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