

COURSE DETAIL

MODERN PHYSICS

Country

Japan

Host Institution

International Christian University

Program(s)

International Christian University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

MODERN PHYSICS

UCEAP Transcript Title

MODERN PHYSICS

UCEAP Quarter Units

2.50

UCEAP Semester Units

1.70

Course Description

This course provides an introduction to fundamental concepts and laws related to energy and motion in the physical science. This course discusses introductory continuum mechanics (elastic bodies and fluids), wave motion, and thermal physics. Students acquire the vocabulary to describe physical phenomena, in particular, macroscopic phenomena including wave motions. The three main topics that are covered in this class is introduction to continuum mechanics, waves and acoustics, and introductory thermal physics. Text: Young and Freedman, UNIVERSITY PHYSICS WITH MODERN PHYSICS Chapters 11, 12, 14-20.

Language(s) of Instruction

English

Host Institution Course Number

PHY241E

Host Institution Course Title

MODERN PHYSICS A

Host Institution Campus

International Christian University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

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