

COURSE DETAIL

FUNDAMENTALS OF PHYSICS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

16

UCEAP Course Suffix**UCEAP Official Title**

FUNDAMENTALS OF PHYSICS

UCEAP Transcript Title

FUND OF PHYSICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers two branches of fundamental physics: mechanics and electricity & magnetism. Topics in mechanics include linear motion, circular motion, Newton's laws of motion, work and energy, conservation of energy, linear momentum, and simple harmonic motion. Topics in electricity & magnetism include electric force, field & potential, current & resistance, DC circuits, electromagnetism and electromagnetic induction.

Language(s) of Instruction

English

Host Institution Course Number

PC1201

Host Institution Course Title

FUNDAMENTALS OF PHYSICS

Host Institution Course Details

<https://nusmods.com/courses/PC1201/fundamentals-of-physics>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2024-2025

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