

## 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 Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Physics

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