COURSE DETAIL

GENERAL PHYSICS I LABORATORY

Country
Hong Kong

Host Institution
Hong Kong University of Science and Technology (HKUST)

Program(s)
Hong Kong Summer, HKUST

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Physics

UCEAP Course Number
11

UCEAP Course Suffix
SL

UCEAP Official Title
GENERAL PHYSICS I LABORATORY

UCEAP Transcript Title
PHYSICS I LAB

UCEAP Quarter Units
1.50

UCEAP Semester Units

1.00

Course Description
This course is the laboratory course to accompany PHYS 11S. Students conduct experiments in mechanics and heat to illustrate the experimental foundations of physics presented in the lecture course. Experiments include: the Atwood Machine, projectile motion, centripetal force, work, energy and friction, conservation of linear momentum, rotational motion, conservation of angular momentum, simple harmonic motion, standing waves on a vibrating string and specific heat and latent heat of vaporization. Co-requisite: PHYS 11S (HKUST course PHYS 1112) Text: Penger Tong and David Mak, GENERAL PHYSICS 1 LAB MANUAL. Assessment: lab performance (30%), lab report (70%).

Language(s) of Instruction
English

Host Institution Course Number
PHYS1113

Host Institution Course Title
GENERAL PHYSICS LABORATORY

Host Institution Course Details

Host Institution Campus
HKUST International Summer School

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science

Course Last Reviewed

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