

COURSE DETAIL

BASIC INSTRUMENTATION

Country

Hong Kong

Host Institution

Chinese University of Hong Kong

Program(s)

Chinese University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

130

UCEAP Course Suffix**UCEAP Official Title**

BASIC INSTRUMENTATION

UCEAP Transcript Title

INSTRUMENTATION

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the essential techniques and offers a hands-on experience in basic instrumentation of experimental physics, and a proper perspective on how to plan a physics experiment. A mixture of lectures, laboratory sessions and one project cover topics and skills ranging from machine programming, computer interface, hardware instrumentation, data acquisition, error analysis, and report writing.

Language(s) of Instruction

English

Host Institution Course Number

PHYS3730

Host Institution Course Title

BASIC INSTRUMENTATION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

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