COURSE DETAIL

EXPERIMENTAL PHYSICS AND DATA ANALYSIS

Country
Singapore

Host Institution
National University of Singapore

Program(s)
National University of Singapore

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Physics

UCEAP Course Number
103

UCEAP Course Suffix
A

UCEAP Official Title
EXPERIMENTAL PHYSICS AND DATA ANALYSIS

UCEAP Transcript Title
EXPERIMENT PHYSICS

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

This course provides a comprehensive training of both experimental and data analytical skills in mechanics, electronics, magnetism, nuclear physics, semiconductors, optics and lasers. In particular, emphasis is placed on the basic measurement skills in physics experiments, familiarization of the commonly used experimental apparatus, as well as the collection, handling, and analysis of real world data. While this course is mainly for physics majors, it is also suitable for science and engineering students interested in a career in the industries of semiconductors, optical communications, and life sciences.

Language(s) of Instruction
English

Host Institution Course Number
PC2193

Host Institution Course Title
EXPERIMENTAL PHYSICS AND DATA ANALYSIS

Host Institution Course Details
https://nusmods.com/courses/PC2193/experimental-physics-and-data-analysis

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2024-2025

Print