COURSE DETAIL

PHYSICS FOR SCIENCE AND ENGINEERING 2

Country
United Kingdom - Scotland

Host Institution
University of Glasgow

Program(s)
Glasgow Summer Physics

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Physics

UCEAP Course Number
23

UCEAP Course Suffix
S

UCEAP Official Title
PHYSICS FOR SCIENCE AND ENGINEERING 2

UCEAP Transcript Title
PHYSICS: SCI&ENGR 2

UCEAP Quarter Units
4.00

UCEAP Semester Units

2.70

Course Description

This is a calculus-based physics course with a laboratory component for students who are pursuing science and engineering degrees. This is the second of a two-course sequence. This intensive course introduces fundamental concepts of physics as a foundation for more advanced studies in physics and applications in other areas of science and engineering. This course covers fluids, waves, electrostatics, and circuits including fluid mechanics, damped and driven oscillators, mechanical & acoustic waves, electrostatics, electric field and potential, currents and DC circuits, capacitors and dielectrics. Competence in calculus as well as algebra, geometry, and trigonometry is essential. This course provides a solid understanding of main physics topics and introduces methods of experimental physics.

Language(s) of Instruction
English

Host Institution Course Number
PHYS 1024

Host Institution Course Title
PHYSICS FOR SCIENCE AND ENGINEERING 2

Host Institution Course Details
https://uceap.sharepoint.com/:b:/s/DocumentLibrary/Ead7Xq6f1plApcQ-qPDhtCwBCXoP...

Host Institution Campus
University of Glasgow

Host Institution Faculty

Host Institution Degree

Host Institution Department

International Summer School

Course Last Reviewed
2022-2023

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