COURSE DETAIL

PROGRAMMING FOR PHYSICISTS

Country
United Kingdom - Scotland

Host Institution
University of St Andrews

Program(s)
University of St Andrews

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Physics

UCEAP Course Number
122

UCEAP Course Suffix

UCEAP Official Title
PROGRAMMING FOR PHYSICISTS

UCEAP Transcript Title
PRGRMMNG FOR PHYS

UCEAP Quarter Units
4.00

UCEAP Semester Units
2.70

Course Description

This course develops a level of competence in Python, a modern programming language currently used in many physics research labs for mathematical modelling. No prior experience is required. The course starts with a grounding in the use of Python and discusses numerical methods. The main focus is then on the ways in which Python can be used for problem solving in physics and astrophysics.

Language(s) of Instruction
English

Host Institution Course Number
PH3080

Host Institution Course Title
PROGRAMMING FOR PHYSICISTS

Host Institution Course Details
https://www.st-andrews.ac.uk/subjects/modules/catalogue/?meta_semester_sand=1&m...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2025-2026

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