COURSE DETAIL

INTRODUCTION TO PARTICLE PHYSICS
Country United Kingdom - England
Host Institution University of London, Queen Mary
Program(s) Summer at Queen Mary
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 140
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO PARTICLE PHYSICS
UCEAP Transcript Title INTRO PARTICLE PHYS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course examines the fundamental concepts in particle physics, starting from the basic blocks of matter as we know them before looking at the fundamental forces and experimental methods used in ongoing investigations in the field. It explores the elementary particles and fundamental forces acting between them and the behavior of all known matter, from very small-scale particles to the very large scale of the universe and its composition. Students explore main experimental techniques, from particle accelerators to particle detectors and statistical data analyses.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
INTRODUCTION TO PARTICLE PHYSICS

Host Institution Course Details

Host Institution Campus
Queen Mary University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science and Technology

Course Last Reviewed

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