COURSE DETAIL

QUANTUM COMPUTER SCIENCE: AN INTRODUCTION

Country
United Kingdom - England

Host Institution
Exeter College, University of Oxford

Program(s)
Summer in Oxford, Exeter College

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
134

UCEAP Course Suffix
S

UCEAP Official Title
QUANTUM COMPUTER SCIENCE: AN INTRODUCTION

UCEAP Transcript Title
QUANTUM COMP SCI

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

This is an introduction to quantum computer science, intended primarily for computer scientists, physicists, electrical engineers, and mathematicians. It introduces a large number of ideas with an emphasis on building familiarity with the main concepts, and some general knowledge of terminology and methods. Mathematical methods are employed in a practical way, on a "need-to-know" basis.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
QUANTUM COMPUTER SCIENCE: AN INTRODUCTION

Host Institution Course Details
https://www.exeter.ox.ac.uk/file/2024/01/Quantum-Computer-Science.pdf

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

Print