



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Introduction to quantum computing and quantum algorithms

2324-113R-02

Obiettivi

Understanding Quantum Computing Fundamentals: Provide students with a foundational understanding of the principles and concepts that underpin quantum computing, including qubits, superposition, entanglement, and quantum gates.

Exploring Quantum Algorithms: Introduce students to various quantum algorithms such as Grover's algorithm, Shor's algorithm, and quantum simulation algorithms. Students learn how these algorithms differ from classical algorithms and their potential applications.

Contenuti sintetici

Programma esteso

Prerequisiti

Modalità didattica

Materiale didattico

Periodo di erogazione dell'insegnamento

Modalità di verifica del profitto e valutazione

Orario di ricevimento

Sustainable Development Goals
