

Course Announcement

November 12th to 14th

Polo Universitario di San Miniato

Dr. Emanuele Marsili

Quantum Computing Scientist at Airbus, Bristol (UK)

Course Title:
Introduction to Quantum Computing

Date	Description
12/11/2024 16:00 - 18:00 Aula 12b	Lecture 1: Introduction to Quantum Computing <ul style="list-style-type: none">● Fundamentals of Quantum Mechanics● Qbits and Quantum Gates
13/11/2024 14:00 - 16:00 Aula 13	Lecture 2: Quantum Algorithms and Quantum Hardware <ul style="list-style-type: none">● Introduction to Quantum Algorithms● Advanced Quantum Algorithms● Errors and Error Correction protocols● Emerging Quantum Technologies
14/11/2024 14:00 - 16:00 Aula 15	Lecture 3: Applications of Quantum Computation <ul style="list-style-type: none">● Applications in AI and machine learning● Applications in Chemistry● Tutorial

Il Direttore del Dipartimento di Biotecnologie,
Chimica e Farmacia
Prof.ssa **Agnese Magnani**

Il Coordinatore del Dottorato in Scienze
Chimiche e Farmaceutiche
Prof. **Maurizio Taddei**

Il Responsabile
Prof. **Daniele Padula**

The course is valid for the acquisition of credits as part of the doctoral programmes in “Chemical and Pharmaceutical Sciences” and the Master program in “Chemistry”.