

COURSE DETAIL

QUANTUM COMPUTING

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

168

UCEAP Course Suffix**UCEAP Official Title**

QUANTUM COMPUTING

UCEAP Transcript Title

QUANTUM COMPUTING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces basics of quantum computing and covers various well known quantum algorithms, such as Deutsch-Jozsa algorithm, Simon's algorithms, quantum Fourier transform, phase estimation, Shor's algorithm and Grover's algorithm.

Language(s) of Instruction

English

Host Institution Course Number

CS4268

Host Institution Course Title

QUANTUM COMPUTING

Host Institution Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computer Science

Course Last Reviewed

[Print](#)