

COURSE DETAIL

ELECTRONIC AND INFORMATION TECHNOLOGY

Country

Hong Kong

Host Institution

Hong Kong University of Science and Technology (HKUST)

Program(s)

Hong Kong University of Science and Technology

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

10

UCEAP Course Suffix**UCEAP Official Title**

ELECTRONIC AND INFORMATION TECHNOLOGY

UCEAP Transcript Title

ELECTRIC & INFO TEC

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the basics of electronics and information technology and their applications to daily-life consumer electronics and communication devices. Contents include the representation of signals in the time and frequency domains; digitization of information; coding for data compression and error protection; transmission of signals; cellular mobile phone and wireless communications; and the internet. The course examines the key technological developments of electronic and information technology and the fundamental principles related to electronic and information technology.

Language(s) of Instruction

English

Host Institution Course Number

ELEC1010

Host Institution Course Title

ELECTRONIC AND INFORMATION TECHNOLOGY

Host Institution Campus**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Electronic and Computer Engineering

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