

COURSE DETAIL

COMMUNICATIONS

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

127

UCEAP Course Suffix**UCEAP Official Title**

COMMUNICATIONS

UCEAP Transcript Title

COMMUNICATIONS

UCEAP Quarter Units

7.50

UCEAP Semester Units

5.00

Course Description

This course takes students through the idea of transmitting information from one point to another in the presence of noise. The course introduces students to both analogue and digital transmission, show how the two are connected, and explain the differences (e.g. signal-to-noise ratio vs. bit error rate). The course also introduces students to information theory, and the fundamental theoretical limits of compression and channel coding it identifies.

Language(s) of Instruction

English

Host Institution Course Number

ELEC50002

Host Institution Course Title

COMMUNICATIONS

Host Institution Campus

Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Electrical Engineering

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