COURSE DETAIL

ELECTRONIC CIRCUITS

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)
Engineering

UCEAP Course Number
24

UCEAP Course Suffix

UCEAP Official Title
ELECTRONIC CIRCUITS

UCEAP Transcript Title
ELECTRONIC CIRCUITS

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course covers simple electronic circuits as functional building blocks and tools. Topics: fundamental electronic concepts for DC and AC circuits, KVL and KCL, Thevenin's and Norton's Theorems, linearity and superposition, nodal and mesh analyses, sinusoidal steady state and phasor, transient analysis, transfer functions and Bode plots, op-amp, diodes, MOS transistors and related circuits.

Language(s) of Instruction

English

Host Institution Course Number

ELEC2400

Host Institution Course Title

ELECTRONIC CIRCUITS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electronic and Computer Engineering

Course Last Reviewed

2024-2025

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