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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electronic and Computer Engineering

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