COURSE DETAIL

SONIC CIRCUITS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Music
UCEAP Course Number 110
UCEAP Course Suffix
UCEAP Official Title SONIC CIRCUITS
UCEAP Transcript Title SONIC CIRCUITS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides a hands-on project-based introduction to electronic audio circuits for artistic purposes. Through hardware hacking, circuit bending, and circuit building, students gain an understanding of basic electronics theory as well as develop valuable hands-on experience with battery-powered sound-making and sound-processing projects. From repurposing games, toys, and radios to building oscillators, filters, mixers, and amplifiers, and finally interfacing between the physical world and computers via microcontrollers, students explore the artistic potential of electronic circuits. An introduction to the history and current practice of electronic sound art will be integral to the module. The module will culminate in a group installation/performance. No prior experience in electronics or music is assumed, though either would be helpful.

Language(s) of Instruction
English

Host Institution Course Number
MUA3275

Host Institution Course Title
SONIC CIRCUITS

Host Institution Course Details
http://luminus.nus.edu.sg

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2021-2022

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