

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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