COURSE DETAIL

SCIENCE AND MUSIC
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Music
UCEAP Course Number 33
UCEAP Course Suffix
UCEAP Official Title SCIENCE AND MUSIC
UCEAP Transcript Title SCIENCE & MUSIC
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

The course examines the close connection between music and science that has existed historically from Pythagoras on into modern times. The course introduces the essential physics of musical sound production and analysis in order to understand the elementary principles behind wind, string and percussion instruments and their characteristic timbre. The course examines the development of scales from fundamental principles to identify some of the subtle differences between Chinese and Western music. Contemporary music and science interactions focus on electronic music and the working principles of modern instruments such as the electric guitar. Finally the course looks at some scientific understanding of musical appreciation and the factors that make music pleasing.

Language(s) of Instruction
English

Host Institution Course Number
CCST9014

Host Institution Course Title
SCIENCE AND MUSIC

Host Institution Course Details
http://commoncore.hku.hk/ccst9014/#contactinfo

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Common Core: Scientific and Technological Literacy

Course Last Reviewed
2023-2024

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