

## 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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