

# COURSE DETAIL

## CREATIVE CODING FOR SOUND

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Music

**UCEAP Course Number**

112

**UCEAP Course Suffix****UCEAP Official Title**

CREATIVE CODING FOR SOUND

**UCEAP Transcript Title**

CODING FOR SOUND

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This course allows students to explore sound-based interaction methods in the context of new music, live performance, sound installation, and design by looking at creative approaches to using computers and code. Lectures cover a range of areas based on the development of interactive software systems for manipulating, sampling and synthesizing sound in real-time. Students investigate these aspects and apply them through coding their own projects in relation to areas such as interactive sound design, digital musical instrument design, data sonification, sound therapy, algorithmic composition, and audio-visual installation and performance. Projects are developed using an accessible software programming language such as Max.

### Language(s) of Instruction

English

### Host Institution Course Number

MUSI10100

### Host Institution Course Title

CREATIVE CODING FOR SOUND

### Host Institution Campus

University of Edinburgh

### Host Institution Faculty

Edinburgh College of Art

### Host Institution Degree

### Host Institution Department

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