

COURSE DETAIL

MUSICAL APPLICATIONS OF FOURIER THEORY AND DIGITAL SIGNAL PROCESSING

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

MUSICAL APPLICATIONS OF FOURIER THEORY AND DIGITAL SIGNAL PROCESSING

UCEAP Transcript Title

MUSIC APP/FOURIER

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course describes the mathematical underpinnings of Fourier theory, and digital signal processing, especially with regard to music and audio applications. The emphasis is on algebraic work, and on practical computation for sound analysis and synthesis.

Language(s) of Instruction

English

Host Institution Course Number

MUSI11034

Host Institution Course Title

MUSICAL APPLICATIONS OF FOURIER THEORY AND DIGITAL SIGNAL PROCESSING - UG & PG

Host Institution Course Details

<http://www.drps.ed.ac.uk/17-18/dpt/cxmusi10055.htm>

Host Institution Campus

University of Edinburgh

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Edinburgh College of Art

Course Last Reviewed

2022-2023

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