



Module Specification

Instrument Recording Investigation

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Contents

| | |
|--|----------|
| Module Specification | 1 |
| Part 1: Information | 2 |
| Part 2: Description | 2 |
| Part 3: Teaching and learning methods | 3 |
| Part 4: Assessment..... | 4 |
| Part 5: Contributes towards | 5 |

Part 1: Information

Module title: Instrument Recording Investigation

Module code: UFCFN5-15-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Computer Sci & Creative Tech

Partner institutions: None

Field: Computer Science and Creative Technologies

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This module enables students to investigate the acoustic properties of musical instruments in depth. Students will develop their analytical listening skills and will be required to employ scientific methods in the creation and analysis of instrument recordings.

Features: Not applicable

Educational aims: See learning outcomes

Outline syllabus: Research into the physical and acoustical nature of an acoustic instrument, and appropriate recording studio techniques to be applied.

Audio work in which a range of recordings are used to develop the understanding gained in the research stage.

Performing a technical and qualitative analysis and evaluation of the results.

Part 3: Teaching and learning methods

Teaching and learning methods: Students will use a range of sources of information in order to advance the investigation. These will include the module handbook, published texts, advice from the staff, and evidence gained from experimentation. By the end of the module the students should have gained the skills and understanding which will allow them to pursue similar investigations in future independently.

The investigation allows a wide range of potential experiments and strategies, requiring suitable decision making and critical thinking. As well as support from staff, group discussions will be used to aid some of the decision making and experimentation processes.

Support will also be provided via email and virtual learning environments

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Discuss and defend approaches to research, application and refinement of recording technique when starting with modest prior knowledge and multiple potential options

MO2 Research and describe the physical form, radiation pattern, time and frequency domain characteristics, variations in timbre, and performance style of an acoustic musical source with application to recording technique

MO3 Select, combine and extend techniques for achieving particular recorded character with a chosen acoustic musical source

MO4 Compare, evaluate and describe the audible differences produced by different types and models of microphones, recording arrangements and process configurations

MO5 Recognise and quantify the contributing factors to the character of recorded results in practical cases, with regard to equipment, environment effects and technique

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ufcfn5-15-3.html) via the following link <https://uwe.rl.talis.com/modules/ufcfn5-15-3.html>

Part 4: Assessment

Assessment strategy: The assessment will involve experimentation and critical examination of results based on the recordings produced. To achieve results beyond a threshold level will require a significant demonstration of critical thinking and learning from experimentation.

The investigation documentation will consist of a report on research, recording, analysis and critical comparisons. Formative assessment will be provided as results are produced as the investigation progresses. Feedback will be provided for all assessment elements.

Assessment criteria will be supplied with the module handbook.

Assessment tasks:

Presentation (First Sit)

Description: Assessed discussion

Weighting: 25 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1

Written Assignment (First Sit)

Description: Investigation documentation

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Presentation (Resit)

Description: Assessed discussion

Weighting: 25 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1

Written Assignment (Resit)

Description: Investigation documentation

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Audio and Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Creative Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Audio and Music Technology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons)
2020-21

Creative Music Technology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Audio and Music Technology {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons)
2019-20