



MODULE SPECIFICATION

Part 1: Information			
Module Title	Instrument Recording Investigation		
Module Code	UFCFN5-15-3	Level	Level 6
For implementation from	2021-22		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module Type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
<p>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.</p> <p>Educational Aims: See learning outcomes</p> <p>Outline Syllabus: Research into the physical and acoustical nature of an acoustic instrument, and appropriate recording studio techniques to be applied.</p> <p>Audio work in which a range of recordings are used to develop the understanding gained in the research stage.</p> <p>Performing a technical and qualitative analysis and evaluation of the results.</p> <p>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</p>

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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

Part 3: Assessment

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.

First Sit Components	Final Assessment	Element weighting	Description
Presentation - Component A	✓	25 %	Assessed discussion
Written Assignment - Component B		75 %	Investigation documentation
Resit Components	Final Assessment	Element weighting	Description
Presentation - Component A	✓	25 %	Assessed discussion
Written Assignment - Component B		75 %	Resubmission of investigation documentation

Part 4: Teaching and Learning Methods

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

Module Learning Outcomes	Reference
Discuss and defend approaches to research, application and refinement of recording technique when starting with modest prior knowledge and multiple potential options	MO1
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	MO2
Select, combine and extend techniques for achieving particular recorded character with a chosen acoustic musical source	MO3
Compare, evaluate and describe the audible differences produced by different types and models of microphones, recording arrangements and process configurations	MO4
Recognise and quantify the contributing factors to the character of recorded results in practical cases, with regard to equipment, environment effects and technique	MO5

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Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	114
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	36
	Total Scheduled Learning and Teaching Hours:	36
	Hours to be allocated	150
	Allocated Hours	150
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://uwe.rl.talis.com/modules/ufcfn5-15-3.html</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Broadcast Audio and Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Audio and Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Creative Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19

Broadcast Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19

Audio and Music Technology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Broadcast Audio and Music Technology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Creative Music Technology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19