MODULE SPECIFICATION

Part 1: Information			
Module Title	Instrument Recording Investigation		
Module Code	UFCFN5-15-3	Level	Level 6
For implementation from	2019-20		
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	Audio Engineering 2019-20		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Overview: Pre-requisites Audio Recording UFCFG4-30-2

Educational Aims: See learning outcomes

Outline Syllabus: Introduction to the investigation of acoustic instruments, analytical listening skills beyond those developed at levels 1 and 2, the scientific methods required in the module, and the required critical approach at level 3.

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

Studio work in which a range of recordings are obtained which utilises, and develops from, the understanding gained in the research stage.

The application of audio processes to modify the characteristics of the recorded sounds and develop understanding of how a sound can be treated to change its character in subtle ways.

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

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 working will be used to aid in some of the decision making and experimentation processes.

Support will also be provided via email and virtual learning environments

Part 3: Assessment

The assessment includes both group and individual elements. The group work will enable rapid recording and experimentation activities, as well as an opportunity to further develop collaborative working skills. The individual activities will involve further experimentation and critical examination of results based on the recordings produced in the group stage. 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 work plan, a group report (on research, recording and analysis) and an individual report (on modification and critical comparisons). Formative assessment will be provided as results are produced as the investigation progresses. Feedback will be provided for all assessment elements.

Individual marks will be provided for the presentation and individual report. Marking of the group documentation will include an opportunity for students to indicate individual contributions.

Assessment criteria will be supplied with the module handbook.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		75 %	Investigation documentation
Presentation - Component A	✓	25 %	Presentation
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		75 %	Investigation documentation
Presentation - Component A	✓	25 %	Presentation

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

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	*The reading list for this module can be accessed via the following link:* https://uwe.rl.talis.com/modules/ufcfn5-15-3.html	

Part 5: Contributes Towards
This module contributes towards the following programmes of study: