STUDENT AND ACADEMIC SERVICES

UWE Bristol | University of the West of England

MODULE SPECIFICATION

Part 1: Information			
Module Title	Audio Engineering		
Module Code	UFCFC4-30-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
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		

Part 2: Description

Educational Aims: In addition to the learning outcomes, the educational experience may explore, develop, and practise but not formally discretely assess the following:

Work effectively as a member of a team when involved in mini-projects, including planning and research to achieve the project objectives.

Carry out simple administrative duties necessary for running a studio, such as booking arrangements and session log.

Work in a team to set up and run safely, a live musical event.

Outline Syllabus: Fundamental electrical principles and electronics for audio (eg wiring jacks and XLRs)
Introduction to practical studio and live operations
Basic recording, mixing and editing techniques.
Audio recording software.
Health and safety issues, especially relating to audio and live events.
Fundamentals of recording equipment and use: mics (for studio and live), headphones, recording, reproduction, loudspeakers. Studio and live audio technologies.

The programme chain: signal flow and fault finding.
Digital audio technology.
Production and engineering processes.
Sound modifiers (audio processors).
dBs, operating levels.
Musical acoustics of live and studio spaces.
Listening skills.
IT use and knowledge: word processing, spreadsheets, Internet.
Personal skills: time management, study skills, negotiation.
Communication skills: oral presentation, writing technical reports.
Research skills: including completion of the library workbook.
Working in groups: interpersonal relationships, effective teamwork.
Conformity to recognised standards in a variety of areas.
Project planning and keeping to deadlines.

Teaching and Learning Methods: Scheduled learning includes lectures, tutorials, demonstrations, practical classes and workshops; supervised and unsupervised time in studio. Project and event supervision in groups of varying sizes. Scheduled sessions may vary week to week depending on the topic currently under investigation.

Independent learning includes hours engaged with essential reading, assignment preparation and completion as well as time spent in the studio involved in recording.

Over the course of the academic year students should expect to spend approximately:

Contact hours: 72
(24 x 1 hour lectures
6 x 2 hour live-sound "lectorials" with participation in a regular Centre for the Performing Arts activity
18 x 2 hour studio sessions)
Assimilation and development of knowledge: 148
Exam preparation: 40
Coursework preparation: 40
Total study time: 300

Part 3: Assessment

Controlled assessment is by assessed discussion. Also, there is a short practical test in studio operation and a group recording project, within which students receive an individual mark.

In addition there is a written assignment. Students are expected to use information retrieval skills in completing the assignment and are supported in developing these skills through the use of the UWE library resources, especially the library workbook designed to exercise information retrieval and evaluation skills.

The group recording project includes a written explanation of the processes involved in the recording. The marks are allocated to individual students according to a weighting scheme defined by the students themselves. The assessed discussion will revolve around the group project and will asses individual students' knowledge and contribution to the project.

The resit assessment is a written assignment (Component B) as well as an assessed discussion with each student. There is also a software based test of the student's practical ability.

First Sit Components	Final Assessment	Element weighting	Description
Written Assignment - Component B		30 %	Audio related written assignment

Practical Skills Assessment - Component A		10 %	Practical studio test
Group work - Component B		45 %	Group recording and report
Presentation - Component A	✓	15 %	Assessed Discussion

Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		75 %	Written assignment
Practical Skills Assessment - Component A		10 %	Practical software based test
Presentation - Component A	✓	15 %	Assessed conversation

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
Operate a typical recording studio at a level that would allow them unsupervised access to run their own projects	MO1
Work as part of a team	MO2
Make good use of computers and various audio hardware and software tools available within the Faculty	MO3
Carry out the process of producing a CD from the original recording to the final packaging	MO4
Communicate ideas clearly both orally and in writing and to a prescribed standard	MO5

Contact Hours	**Independent Study Hours:**	
	Independent study/self-guided study	228
	Total Independent Study Hours:	228
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	72
	Total Scheduled Learning and Teaching Hours:	72
	Hours to be allocated	300
	Allocated Hours	300

Reading List	*The reading list for this module can be accessed via the following link:* https://uwe.rl.talis.com/modules/ufcfc4-30-1.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

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

Audio and Music Technology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2020-21

Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20

Broadcast Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20

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

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

Digital Media [Aug][PT][SHAPE][6yrs] BSc (Hons) 2020-21

Digital Media [Sep][FT][SHAPE][3yrs] BSc (Hons) 2020-21