

Module Details	
Module Title	Sound Engineering
Module Code	FAM7018-B
Academic Year	2021/2
Credits	20
School	Department of Media Design and Technology
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Laboratories	4
Lectures	8
Tutorials	10
Directed Study	178

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims
This module will provide students with a broad understanding of the function of sound in outside broadcasting, the variety of different options for capturing and transmitting sound for different purposes and under different conditions. It will use industry standards and formats and learners will become adept in the use of a wide variety of different sound equipment.

Outline Syllabus
Venue acoustics, broadcast audio formats, noise regulations, loudness standards, microphone and cable types, audio desk controls and signal processingThe characteristics of different types of venues.Setting up effects, music, discussion microphones and other equipmentSetup and test RF systemsKey Texts:Ballou G (2015) Handbook for Sound Engineers, RoutledgePohlmann Ken C (2010) Principles of Digital Audio, McGraw Hill

Learning Outcomes	
Outcome Number	Description
01	Apply RF theory to determine the appropriateness of equipment and guard against causes of signal loss Evaluate the benefits of a variety of audio equipment and systems to select the most appropriate equipment for the capture, broadcast or recording of sounds to meet the needs of clients and the venue. Synthesise a systematic knowledge of industry standards in sound recording and management
02	Diagnose problems in the signal chain and identify solutions to rectify sound problems Prepare and operate a wide range of microphones and associated equipment and configure radio systems to accommodate the needs of clients across a range of venues Monitor audio signals across different ranges to detect sound-quality deviations or malfunctions
03	Communicate ideas effectively Solve problems methodically

Learning, Teaching and Assessment Strategy
N/A

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Other form of assessment	Assessed practical scenario activity	70%
Summative	Coursework	Online exercises and written reflection	30%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.