Practical Audio Production

Module Information

2022.01, Approved

Summary Information

Module Code	4204AMP
Formal Module Title	Practical Audio Production
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	18
Practical	18
Tutorial	8

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To introduce students to the practical issues arising from Recording audio and Live sound reinforcement

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Use a DAW to implement drum replacement
MLO2	2	Specify typical acoustic drum sizes and specifications
MLO3	3	Operate industry-standard hardware and software to produce CD quality 16bit 44.1 kHz audio
MLO4	4	Create recorded audio music productions to be used with video

Module Content

Outline Syllabus	Audio Mixing Desks, signal flow, mike/line, channel strip, input gain, EQ,Digital Audio Workstations, interfaces, bit rates, buffers, sampling ratesDrum replacementHealth & Safety for audio engineering Impedance and level matching Introduction to small-scale live sound reinforcement systems Pro-Tools, Apple logic pro xLevels, decibels (in signals), metering, gain structure Loudspeakers, Amplifiers, Monitors Non-linear editing, dubbing and effects using computers Properties of microphones (types, polar patterns, phantom power)Properties of the ear and auditory perception Recording studio equipment & live sound
Module Overview	
Additional Information	The module encompasses an introduction to the theoretical knowledge and practical skills of audio & music production and to the equipment used in audio production.The module will cover both 'live-broadcast' and 'recorded' production.Students will be required to work both individually and in small groups using equipment to become familiar with its characteristics in a way that also demonstrates safe systems of work.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Practice	Perc recording and manip	50	0	MLO1, MLO2
Practice	Audio equipment	50	0	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Anthony McKenna	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings