Module Proforma

Approved, 2022.02

Summary Information

Module Code	4303AMP
Formal Module Title	Audio Production Technology
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Module Contacts

Module Leader

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

Module Team Member

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

Partner Module Team

Contact Name	Applies to all offerings	Offerings

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	22

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To provide a solid understanding of the concepts upon which audio production is achieved

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Describe and analyse the different type of recording studio
MLO2	Appreciate technical specifications
MLO3	Describe and analyse the properties of industry standard audio connectivity
MLO4	Appreciate audio connectivity and perform basic electrical calculations

Module Content

Outline Syllabus

Audio recording development Recording studio design The recording process Interface equipment Digital modelling instruments Digital modelling amplifiers Re-amping techniques Electronic instrumentation Classic combination rigs Studio session procedures Studio personnel Technical specifications Valve technology/amplifiers Instrumentation setup Electromagnetic and piezo transducers Loudspeaker combinations Basic electricity and calculations Bespoke connectivity, cabling and connectors Soldering techniques Meters

Module Overview

This module provides a solid understanding of the concepts upon which audio production is achieved, including the recording process, interface equipment, digital modelling, amplifiers, re-amping techniques, electronic instrumentation, classic combination rigs, studio session procedures, studio personnel, technical specifications, valve technology, amp and instrument set up, electromagnetic and piezo transducers, speaker combinations, basic electricity calculations, bespoke connectivity, cabling and connectors, soldering techniques and meters.

Additional Information

This module provides a fundamental understanding of audio production principles for the level 4 BSc Audio and Music Production programme. 1 hour per week of online study activities This module aligns to the following UN Sustainable Development Goals: 4 Quality Education 5 Gender Equality 8 Decent Work and Economic Growth 10 Reduced Inequalities

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Type of recording studio	50	0	MLO2, MLO1
Report	Industry standard audio	50	0	MLO3, MLO4