

Liverpool John Moores University

Title: Audio Production Technology
Status: Definitive
Code: **4203AMP** (121880)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
Tony McKenna	Y
Anthony Lanigan	

Academic Level: FHEQ4 **Credit Value:** 20 **Total Delivered Hours:** 44
Total Learning Hours: 200 **Private Study:** 156

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	18
Practical	18
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	AS1	Build and test audio connectivity devices to industry-standard. Solve simple electrical problems	50	
Report	AS2	Design build and test an audio pre amplifier	50	

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:

- 1 Describe and analyse the different type of recording studio
- 2 Appreciate technical specifications
- 3 Describe and analyse the properties of industry standard audio connectivity
- 4 Fabricate audio connectivity and test for serviceability

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Technical specification	1	2
Build and test	3	4

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
Bespoke connectivity, cabling and connectors
Soldering techniques
Meters

Learning Activities

Lectures supporting the practical sessions. There are also demonstrations of the practical work. Student work groups are also included in the activities.

Notes

This module provides a fundamental understanding of audio production principles for the level 4 BSc Audio and Music Production programme.