

## Liverpool John Moores University

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Title: Audio Production Technology  
Status: Definitive  
Code: **4503AMPCC** (127600)  
Version Start Date: 01-08-2021  
  
Owning School/Faculty: Engineering  
Teaching School/Faculty: Coleg Cambria

Team	Leader
Tony McKenna	Y
Anthony Lanigan	

**Academic Level:** FHEQ4      **Credit Value:** 20      **Total Delivered Hours:** 55  
**Total Learning Hours:** 200      **Private Study:** 145

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	22
Practical	22
Tutorial	11

**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.