

### Summary Information

<b>Module Code</b>	5300AMP
<b>Formal Module Title</b>	Audio Recording
<b>Owning School</b>	Engineering
<b>Career</b>	Undergraduate
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 5
<b>Grading Schema</b>	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
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### 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
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

<b>Aims</b>	To enhance students' knowledge of the equipment used in a Recording Studio and hence address the practical issues arising from recording using a control surface. Also to allow students to gain experience in using both hardware and software audio devices deployed in digital audio recording
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### Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Appreciate Recording Studio equipment levels
MLO2	Develop a usable audio signal chain using effects within the studio environment
MLO3	Describe and analyse the Glyn Johns method of microphone placement
MLO4	Produce an audio media package

### Module Content

Outline Syllabus
Critical listening, construction, deconstruction Emulated recording Plugins: Drummer, Amp designer, Bass amp designer Processing: reverb (convolution & algorithmic), distortion Compression and dynamics, effects pedals and stomp boxes, Noise gates, signal to noise ratio Production techniques (recording a variety of instruments), Glyn Johns' method, studio microphone techniques, three to one rule Mixing and mastering Recording repair and enhancements, drop in recording software choice and implementation, control surfaces Recording solid-state, valve and modelling amplifiers Reflection filters & pop shields Studio types, equipment (including outboard), patch-bays and wiring, DI devices, orchestral instruments and recording, digital press kits and media The history of recording and how it informs current trends

### Module Overview

The module aims to enhance students' knowledge of the equipment used in a Recording Studio and hence address the practical issues arising from recording using a control surface. You will gain experience in using both hardware and software audio devices deployed in digital audio recording.

### Additional Information

The module encompasses the theoretical knowledge and practical skills of audio & music production and the equipment used in the production of audio recording. 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
Practice	Studio equipment levels	50	0	MLO1, MLO2
Report	Glynn Johns method	50	0	MLO3, MLO4