Module Proforma

Approved, 2022.02

Summary Information

Module Code	4304AMP
Formal Module Title	Practical Audio Production
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
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

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Appreciate using a DAW to implement drum replacement
MLO2	Specify typical acoustic drum sizes and specifications
MLO3	Appreciate industry-standard hardware and software used to produce CD quality audio
MLO4	Specify how to create recorded audio music productions

Module Content

Outline Syllabus

Audio Mixing Desks, signal flow, mike/line, channel strip, input gain, EQ, Digital Audio Workstations, interfaces, bit rates, buffers, sampling rates Drum replacement Health & Safety for audio engineering Impedance and level matching Introduction to small-scale live sound reinforcement systems Pro-Tools, Apple logic pro x Levels, 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

This module introduced students to the practical issues arising from recording audio and live sound reinforcement. The module encompasses an introduction to the theoretical knowledge and practical skills of audio and music production and to the equipment used in audio production. The module will cover both 'live-broadcast' and 'recorded' production and you 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.

Additional Information

The module encompasses an introduction to the theoretical knowledge and practical skills of audio and 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. 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
Technology	Perc recording and manip	50	0	MLO1, MLO2
Practice	Audio equipment	50	0	MLO4, MLO3