

Liverpool John Moores University

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Title: MUSIC TECHNOLOGY
Status: Definitive
Code: **4504IABCMP** (128924)
Version Start Date: 01-08-2021
Owning School/Faculty: Liverpool Screen School
Teaching School/Faculty: Institute of the Arts Barcelona

Team	Leader
Andrew Sherlock	Y

Academic Level: FHEQ4 **Credit Value:** 20 **Total Delivered Hours:** 94
Total Learning Hours: 200 **Private Study:** 106

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	75
Tutorial	4
Workshop	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	AS1	Creation and presentation of an original sound work of at least 1 minute.	40	
Practice	AS2	Creation, production and presentation of a sound work of at least 3 minutes.	60	

Aims

The aim of this module is to provide the student with the essential techniques and

creative skills needed for the creation of music and audio productions using computers and other modern technology.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate the ability to effectively, efficiently and creatively utilise digital audio workstations (e.g. Ableton Live, Logic).
- 2 Demonstrate the ability to record instruments and other sources with fundamental techniques and processes.
- 3 Demonstrate the ability to utilise the MIDI protocol to create and record with software and hardware instruments.
- 4 Demonstrate the ability to create proficient music/sound based works.
- 5 Demonstrate an understanding of the essential principles of music composition and sound organisation.
- 6 Demonstrate an understanding and ability with basic production processes including editing and mixing.

Learning Outcomes of Assessments

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

Practice	1	2	3	
Practice	1	4	5	6

Outline Syllabus

The module is designed to provide the student with the core skills and technical understanding of music technology including the operation of a digital audio workstation, the incorporation of MIDI, the fundamentals of audio recording and production, and their applications to music production and composition. The module will cover such elements as:

- Basic Audio Recording*
- Basic MIDI Recording*
- Song Production Fundamentals*
- Basic Signal Processing*
- Basic Audio Editing*
- Basic Mixing*

Learning Activities

The module is delivered through lectures and practical activities both in a music technology class setting and in a professional music studio. The learning is supported by a series of seminars and workshops with professionals and practitioners in the field. The students will have the opportunity to deepen their knowledge and skills through individual practice time in the campus facilities and the

professional music studio.

Notes

The module introduces students to music creation, recording and production.