Advanced Studio Techniques

Module Information

2022.01, Approved

Summary Information

Module Code	5530STE
Formal Module Title	Advanced Studio Techniques
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Liverpool Institute for Performing Arts

Learning Methods

Learning Method Type	Hours
Lecture	20
Seminar	4
Workshop	34

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	The aim of the module is to allow students to gain a deeper understanding of the specialist tools and techniques employed during the processes of professional music recording, mixing and mastering. Specifically it will:• encourage the development of the students' ability to identify, design and create sound qualities that are appropriate in the context of clearly defined recording genres• help students to define goals and benchmarks for their practical work. • encourage the application of increasingly sophisticated recording chains and creative technical processes to realise their goals• connect underlying technical concepts to practical processes• develop the students' understanding of a range of specialist recording tools and their practical applications• promote the adoption of professional practises that will allow them to prepare final recording sessions for the mix process using established professional standards and present their final mix sessions in a form that takes account of the expectations of professional clients.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Use advanced analogue and digital production consoles efficiently and effectively
MLO2	2	Choose appropriate technical tools and methods to solve defined engineering and production needs
MLO3	3	Mix and master multi-track recordings to a defined brief, making use of automation, EQ, effects and dynamics processors as appropriate
MLO4	4	Explain the function and application of specialist tools employed in a music recording studio environment

Module Content

Outline Syllabus	• Recording Consoles & Studios - operation of a range of professional recording consoles and their technical integration into the studio environment, encompassing analogue & digital signal paths and DAW control surface options. • Studio Configuration - introduction to IP networking; configuring studio consoles and DAWs to communicate over IP. • Genre and Sound Quality - an introduction to defining music genres and identifying their sound qualities. • Advanced Recording Paths - evaluating and selecting equipment for the recording process. • Sound Design Techniques - advanced application of reverb, spatial processing, dynamic processing, distortion and other processes in recording, mixing and mastering.• Magnetic Tape - Lining up tape machines; technical considerations and practical processes when recording to tape; comparing the sound of physical tape recordings to digital emulations. • Synchronisation - introduction to core concepts; using SMPTE, LTC and MTC; generating and striping time code to tape; chase synchronisation configuration in Pro Tools.
Module Overview	
Additional Information	Paul Stakounis is the Module Leader (p.stakounis@lipa.ac.uk)

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Practical Exam	40	2	MLO1, MLO4
Essay	Mixed & Mastered Recording	60	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings

Partner Module Team

Contact Name	Applies to all offerings	Offerings