Liverpool John Moores University

Title: STUDIO TECHNOLOGY
Status: Definitive
Code: **4036TECH**   (105417)
Version Start Date: 01-08-2016

Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: Electronics and Electrical Engineering

Team	Leader
David Ellis	Y

Academic Level:	FHEQ4	**Credit Value:**	12	**Total Delivered Hours:**	48
Total Learning Hours:	120	**Private Study:**	72		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Practical	48

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Coursework: Use of industry standard studio equipment	15	
Essay	AS2	Production of a live radio programme	35	
Essay	AS3	Production of a live TV programme	50	

Aims

To introduce students to the technical equipment and operations in typical studio environments used in the broadcast media and creative industries, including: an ability to identify, review and select techniques; design, develop and evaluate solutions; communicate in English; and apply safe systems of work.

Learning Outcomes

After completing the module the student should be able to:

1. Demonstrate satisfactory procedure relating to health & safety in a typical studio
2. Operate studio audio systems to professional standards
3. Use studio lighting systems appropriately
4. Operate studio cameras to professional standards
5. Function effectively in a TV control room using industry-standard procedures

Learning Outcomes of Assessments

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

CW	1	2	3	4	
CW	1	2			
CW	1	2	3	4	5

Outline Syllabus

Microphones & phantom power
Audio Mixing Desks
Midi equipment
Audio Interfacing, patch bays & signal flows
Audio monitoring
Audio multitrack recording & DAWs
Outboard equipment
Noise reduction
Lighting, luminaires & lighting controllers
Cameras & optics
Vision mixers
Video interfacing, patch bays & signal flows
Video monitoring
Video recording & editing systems
Video peripheral racks
Safe systems of work & relevant legislation
Directives relating to equipment selection and disposal (e.g. LVD, EMC, WEEE etc)
Electrical power demand planning

Learning Activities

Practical sessions and demonstrations including student work groups

Notes

This module will introduce students to the equipment used in typical audio and video studios. They 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.