

## MODULE DESCRIPTOR

<b>MODULE TITLE</b>	STUDIO ENGINEERING		
<b>MODULE CODE</b>	TE3770 (L6)	<b>CREDIT VALUE</b>	20 UK CREDITS / <u>10 ECTS</u>
<b>SCHOOL</b>	SCHOOL OF SCIENCES		

### MODULE AIMS

The module aims are:

- To give students an understanding of professional practice and the use of technical equipment in a studio setting.
- To develop specialized knowledge and skills in a studio setting.
- To give students a deeper understanding of studio design and construction.

### MODULE CONTENT

There is the opportunity to specialise in engineering in the Audio Studio or TV Studio. Module content will typically include:

#### Audio Specialism.

This will involve the; configuration of the studio, configuration of the control room, planning and organizing a session; client liaison, the language of mixing, assessing client needs; Routing and microphone selection.

#### TV Studio Specialism.

This will involve; signal patching and routing for Vision, Sound, Data and Control; Monitoring and measuring signal levels for quality control compliance; Use of test and measurement to ensure signal integrity. DMX and lighting control systems. Integration of remote signals and communication for outside broadcast. Project management and client liaison.

#### Both Strands

Troubleshooting and circuit testing (continuity etc). Use of schematic diagrams/system diagrams and system integration. Other topics will vary depending on student interest. Students will investigate and present a range of materials.

### INTENDED LEARNING OUTCOMES

On successful completion of this module a student will be able to:

1. Employ and demonstrate skills in the organization, planning and execution of a studio-based task for a client in a professional manner.
2. Investigate, hypothesise and report on a specialised studio-based topic.
3. Demonstrate and evaluate good working practices in a studio environment.
4. Diagnose, conceptualise and solve problems arising from studio work.

### TEACHING METHODS

Teaching and learning will be achieved partly by theoretical lectures (covering studio engineering related principles and theories) but largely by opportunities for students to practice and experience studio engineering a guided environment. Student delivered lectures and discussions on a range of topics give a group-learning flavour to this module. Students are required to attend all timetabled learning activities for this module. Participation in seminars and workshops is important for both their learning experience and that of their classmates. Notification of illness or exceptional requests for leave of absence must be made to the module leader in the first instance and copied to the course leader.

Demonstrations, workshops, practicals, Lectures.

## **ASSESSMENT METHODS**

This module is assessed through one Research portfolio and one Portfolio of Client work.