Module Specification

Summary Information

Module Code	5603STE
Formal Module Title	Audio Post Production
Career	Undergraduate
Credits	30
Academic level	FHEQ Level 5
Module Pass Mark	40

Learning Methods

Learning Method Type	Hours
Lecture	20
Workshop	40

Module Offering(s)

Start Month	Duration
September	28 Weeks

Aims and Outcomes

Aims	To provide learners with the practical skills and theoretical understanding necessary to record, mix and create sound for moving image in post-production employing professional approaches and techniques in a multichannel audio environment.

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Employ established forms and conventions in the production of audio for moving image.
MLO2	Record and mix audio for a defined piece of vision selecting appropriate technical methods.
MLO3	Use a surround capable desk / DAW to produce multi-channel mixes.
MLO4	Explain the key technical principles and workflows associated with sound for moving image.

Module Content

Timecode Revisited

VITC, BITC, LTC and Serial timecode; 9-pin command modes; Principles of layback; Audio for video layback in practice; Syncing DAWs accurately to picture; The frame rate transfer problem; Understanding Pull Up/Pull Down.

Video and television signals and formats

Chrominance, Luminance and Sync; Recording formats and embedded audio / timecode; Interlaced vs. noninterlaced images; digital video formats and codecs.

Sound FX

Building effects; Suspending disbelief; Foley FX; Digital Effects and EQ as tools for FX building.

DAWS in Post

Internal Signal Routing; External Signal Routing; 5.1 Stems and Panning; Using software monitor paths; Typical linear and non-linear workflows.

Dialog

ADR or Looping; Microphone technique for dialog replacement; beeps and streamer generation for ADR.

Multichannel Sound

Multi-channel sound history; Matrixed 4:2 surround theory, advantages and limitations; Dolby Surround and Steering; Compatibility Issues; Recording and Mixing prerequisites; Surround sound monitoring and signal paths; The role of the matrix; LT/RT Encoding; Practical considerations for mixing; Bandwidth limitations and solutions; Using the centre channel; Premixes; Monitoring Modes; Using automation; Discrete multi-channel formats, Dolby Digital, DTS and SDDS; Down Mixing advantages and disadvantages; Bass Management Issues in 5.1.

Workflow and File Interchange

AAF and OMF interchange formats; wrapped and un-wrapped datasets.

Module Overview

This module is a pre-requisite to undertake 6603STE Advanced Post Production.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping

Exam	Exam	40	1.5	MLO4
Practice	M&E and DME 5.1 and Stereo Mix	60	0	MLO1, MLO2, MLO3