

MODULE SPECIFICATION PROFORMA

Module Title:	Recording Technology: Advanced Studio Practice	Level:	5	Credit Value:	20
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Module code:	CMT525	Is this a new module?	No	Code of module being replaced:	N/A
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Cost Centre:	GACT	JACS3 code:	J930
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Trimester(s) in which to be offered:	2	With effect from:	September 16
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School:	Creative Arts	Module Leader:	Colin Heron
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Scheduled learning and teaching hours	48hrs
Guided independent study	152hrs
Placement	0hrs
Module duration (total hours)	200hrs

Programme(s) in which to be offered	Core	Option
BSc (Hons) Sound Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BSc (Hons) Music Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BSc (Hons) Professional Sound and Video	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pre-requisites
None

Office use only

Initial approval August 16

APSC approval of modification *Enter date of approval*

Have any derogations received SQC approval?

Version 1

Yes No

Module Aims

The content of this module is the progression of analogue recording theory into the realms of digital audio processing and reproduction. The student will learn to apply the skills acquired on analogue equipment to virtual studio technology and will appraise the differences and challenges that affect this approach. This will be achieved through the introduction of standard forms of audio test methodologies and applied research.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Implement digital interconnection formats and be familiar with industry standard terminology and practice in the modern recording studio.	KS6	KS10
2	Operate multi-layer digital mixing consoles and interface them to other studio equipment through the extensive use of MIDI.	KS3	KS9
		KS10	
3	Apply recording and mixing from a virtual studio viewpoint to benefit from the advantages offered by combined digital audio and midi workstations.	KS2	KS4
		KS5	
4	Evaluate and apply advanced automation techniques.	KS3	KS4
5	Utilise standard audio test methodologies to inform and develop practice.	KS3	KS6
		KS9	KS10
6	Plan and execute large scale recording projects.	KS1	KS2
		KS3	KS7
		KS8	KS10

Transferable/key skills and other attributes

Development of an in depth understanding of virtual studio technology (VST)
Appreciation of the limitations of technology
Attain project planning and communication skills

Derogations

None

Assessment:

1. The student will produce a journal in the form of a Blog that is posted on a weekly basis. The blog will demonstrate the research undertaken in support of the module topics and apply this to practical recording tasks to create artefacts supporting the dialogue of the posts.
2. The student will undertake a project planning exercise regarding the recording tasks and demonstrate the plan at a formal presentation.
3. The student will produce a portfolio of coursework and submit this as a DVD ROM.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	4,5,6	Learning logs/journals	40%		12 blog entries
2	6	Presentation	20%		10 minutes
3	1 - 6	Coursework	40%		

Learning and Teaching Strategies:

The module will be presented as a series of lectures linked to practical sessions with the associated equipment within the recording studio.
Extensive studio use and experimentation is expected to inform and support the topics covered in the lecture series.

Syllabus outline:

Session Planning
Production Styles
Digital Interconnections and protocols
MIDI and automation
Synchronisation
VST Plugins and analogue integration

Perception of audio quality
Audio test methodologies
Stereo Microphone techniques
Mastering

Bibliography:

Essential reading

Bech, S. Zacharov, N. (2006). Perceptual Audio Evaluation : Theory, method and application. Wiley-Blackwell.
Collins, M. (2014). Protools 11: Music production, recording, editing and mixing. Focal Press
Cousins, M. (2014). Logic Pro X : Audio and music production. Focal Press
Everest, A.F. (2005). Critical listening skills for audio professionals. Course Technology Inc.

Other indicative reading

Audio Engineering Society – Journal and e-Library <http://www.aes.org>
Katz. B. (2007). Mastering audio : The art and the science. Focal Press