

MODULE SPECIFICATION PROFORMA

Module Title:	Recording Technology	Level:	4	Credit Value:	20
----------------------	----------------------	---------------	---	----------------------	----

Module code:	CMT424	Is this a new module?	No	Code of module being replaced:	N/A
---------------------	--------	------------------------------	----	---------------------------------------	-----

Cost Centre:	GACT	JACS3 code:	J930
---------------------	------	--------------------	------

Trimester(s) in which to be offered:	1	With effect from:	September 16
---	---	--------------------------	--------------

School:	Creative Arts	Module Leader:	Colin Heron
----------------	---------------	-----------------------	-------------

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"/>
BA (Hons) Radio Production	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BSc (Hons) Professional Sound and Video	<input checked="" 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 foundation of recording principles as applied to the modern multi-track recording environment. The theory concentrates on the basic analogue signal chain and acts as an introduction to the technology located within the studio. It develops the student's appreciation of the key elements that are required in a high quality audio process and furnishes them with the required skills to play an active part in a studio production team.

The aim of this module is to develop an understanding of the factors that define quality in production and recording practice, requiring technical competence within the analogue recording and production environment and involving an appreciation of the discrete roles within a production team and the ability to work in a team-orientated situation; also to develop an awareness of the strengths and limitations of technology in the context of musical and audio performance.

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 gain structure and levels as applied to analogue processing and recording equipment.	KS9	KS10
2	Evaluate different approaches to recording sound sources and apply techniques and equipment that are appropriate to each circumstance.	KS1	KS2
		KS3	KS4
3	Appraise various approaches to analogue sound processing to correct or enhance musical performances.	KS2	KS5
		KS6	
4	Evaluate the procedures and techniques for producing and engineering to a professional and creative standard.	KS6	KS9
5	Produce examples of audio to a professional standard.	KS3	KS4
		KS9	KS10

Transferable/key skills and other attributes

Develop an understanding of the recording industry

Appreciation of the constraints imposed upon technique through the limitations of technology

Attain communication skills and vocabulary for dealing with professionals within the audio industry

Derogations

None

Assessment:

The student will produce an electronic portfolio in the form of a blog that is posted on a weekly basis. The blog will demonstrate the knowledge attained in lectures and apply the knowledge to practical recording tasks to create artefacts supporting the dialogue of the posts.

A small practical operational test (simulation) will form part of the assessment criteria in order to demonstrate safe working practice in the studio.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	1 - 5	Learning logs/journals	90%		12 blog entries
2	1	Simulation	10%		

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.

The student will receive ongoing feedback in the form of personal tutorials in order to maximise the learning potential of the coursework.

Group collaboration will be encouraged to emphasise the importance of teamwork within the recording process.

Syllabus outline:

Health and safety in the recording studio

The principles and terminology of sound

Gain structure and signal paths

Interconnection standards

Mixing desk topology

Microphones and input devices

Monitoring and playback devices
Dynamics based effects
Time based effects
Mastering

Bibliography:

Essential reading

Ferreira, C.L. (2013). Music Production: Recording: A guide for producers, engineers and musicians. Focal Press
Rumsey, F. McCormick, T. (2014). Sound and Recording Applications and Theory. Focal Press

Other indicative reading

Audio Engineering Society – Journal and e-Library <http://www.aes.org>
Bartlett, R. (2012). Practical Recording Techniques. Focal Press
Self, D. (2009). Audio Engineering Explained- for professional audio recording (Paperback)
Focal Press
Sound on Sound – Periodical / Website <http://www.soundonsound.com/>