Module specification

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Module code	CMT537
Module title	Recording Technology
Level	5
Credit value	20
Faculty	FAST
Module Leader	Dr Jason Woolley
HECoS Code	100222
Cost Code	GACT

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc(Hons) Music and Sound Technology. BSc(Hons) Professional Sound and Video	Core

Pre-requisites

None

Breakdown of module hours

Type of Module hours	Amount
Learning and teaching hours	30 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	30 hrs
Placement / work based learning	0 hrs
Guided independent study	170 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	September 2021
With effect from date	September 2021
Date and details of revision	
Version number	1

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 research informed production methodologies.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Implement studio interconnection formats and be familiar with industry standard terminology and practice in the modern recording studio.
2	Operate digitally controlled production interfaces through the extensive use of interconnection formats. e.g., MIDI.
3	Evaluate and apply advanced automation techniques.
4	Plan and execute large scale recording projects that utilise research informed production methodologies to inform and develop practice.

Assessment

Indicative Assessment Tasks:

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 in a suitable negotiated format.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	3,4	Coursework	40
2	4	Presentation	20
3	1-4	Coursework	40

Derogations

None

Learning and Teaching Strategies

The Active Learning framework (ALF) embraces accessible, engaging and flexible approaches to learning, teaching and assessment in order that students are afforded the very best opportunities to engage actively with their learning.

- Flexible, innovative, relevant and accessible assessment and feedback practices that optimise student engagement and achievement within a healthy learning environment;
- An approach to research informed-teaching that champions active and engaged inquiry and curiosity through useful, active, applied research and scholarship.

Ref Glyndŵr Staff handbook 2021

The module will be delivered to engage with ALF. The ALF model will be used to deliver asynchronous and synchronous lectures and content. The module will be delivered using an appropriate range of teaching and learning strategies. To include 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.

Indicative Syllabus Outline

Session Planning
Production Styles
Digital Interconnections and protocols
MIDI and automation
Synchronisation
VST Plugins and analogue integration
Perception of audio quality in the context of Music production
Microphone techniques
Mixing
Mastering

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads
Owsinski, B. (2016). *The Music Producer's Handbook.* Applause Theatre Book Publishers

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

Owsinski, B. (2017) The Mixing Engineer's Handbook (4th Edition). Bobby Owsinski Media Group

Owsinski, B. (2017) The Recording Engineer's Handbook (4th Edition). Bobby Owsinski Media Group

Employability skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes
Engaged
Creative

Key Attitudes
Commitment
Curiosity
Confidence
Adaptability

Practical Skillsets
Digital Fluency
Organisation
Leadership and Team working
Critical Thinking