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Title: Broadcast Studio Operations
Status: Definitive
Code: **5504AMPCC** (127608)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Coleg Cambria

Team	Leader
Tony McKenna	Y
Colin Robinson	
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Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 55
Total Learning Hours: 200 **Private Study:** 145

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Practical	45

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	AS1	Production - Studio Radio Prog	50	
Practice	AS2	Production - Studio TV Prog	50	

Aims

To introduce students to professional technical practices and equipment as used in broadcast media and creative industries, including: managing and organising tasks, people and resources; working to specifications; and applying safe systems of work

Learning Outcomes

After completing the module the student should be able to:

- 1 Operate industry-standard audio equipment in accordance with defined technical standards and practices as operated in the industry
- 2 Undertake production of a studio recording suitable for broadcast radio
- 3 Utilise industry-standard video equipment in accordance with defined technical standards and practices as operated in the industry
- 4 Create an 'as-live' production of a recording suitable for broadcast TV

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Production - Studio Radio	1	2
Prog		
Production - Studio TV	3	4
Prog		

Outline Syllabus

Review properties of the eye and ear for broadcasting
Review safe systems of work & relevant legislation for broadcasters

Audio Mixing Desks and broadcast level monitoring
Studio audio signal routing
Audio payout for inserts
Digital audio recording for production

Properties of camera optics
Choices of shutter speed and frame rate on flicker and movement
Studio camera and floor management operations
Vision engineering - camera channels, lighting control
Lighting and luminaires for studio production

Production – grammar and techniques
Vision mixing and taking direction
Payout – cueing, timing and inserts
Video & audio synchronisation and capture
Use of talkback systems

Learning Activities

Attend all lectures and practical sessions.
Engage with on-line learning materials via Canvas.
Research and produce the output for the practical assignment

Notes

This module will introduce students to the techniques and equipment used in recording content for radio and TV productions in a studio environment. Students will be required to work both individually and in small groups using equipment to become familiar with its characteristics in a way that also demonstrates safe systems of work.