

Liverpool John Moores University

Title: Studio Recording
Status: Definitive
Code: **5004AMP** (120138)
Version Start Date: 01-08-2019

Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: Electronics and Electrical Engineering

| Team | Leader |
|-----------------|--------|
| David Ellis | Y |
| Anthony Lanigan | |

Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 66
Total Learning Hours: 240 **Private Study:** 174

Delivery Options

Course typically offered: Standard Year Long

| Component | Contact Hours |
|-----------|---------------|
| Lecture | 12 |
| Practical | 54 |

Grading Basis: 40 %

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|------------|-------------------|--------------------------------------|---------------|---------------|
| Technology | AS1 | Production of Studio Radio Programme | 50 | |
| Technology | AS2 | Production of Studio TV Programme | 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:

| | | |
|--------------------------------|---|---|
| Prdn of Studio Radio Programme | 1 | 2 |
| Prdn of Studio TV Programme | 3 | 4 |

Outline Syllabus

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

Properties of microphones and loudspeakers
Audio Mixing Desks and broadcast level monitoring
Studio audio signal routing
Audio playout 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

Production – grammar and techniques
Vision mixing and taking direction
Playout – 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 Blackboard.
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.