Broadcast Standards

Module Information

2022.01, Approved

Summary Information

Module Code	5301AMP
Formal Module Title	Broadcast Standards
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	11
Tutorial	11

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	Provide students with the skills and knowledge to recognize the differences between, and the application of different standards and protocols in the media broadcast arena.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify and describe parameters associated with broadcast quality audio.
MLO2	2	Identify and describe parameters associated with broadcast quality video.
MLO3	3	Analyse a broadcasting scenario, and discuss the applicability of different protocols and standards.

Module Content

Outline Syllabus	Legacy formats and distribution standards (AV).Audio signals and conversion to digitalStudio communications systems (e.g. AES/EBU)Audio file formats Video signals and conversion to digitalStudio communications systems (e.g. AES/EBU)Video file formats Broadcast media transmission (scheduled)Broadcast media transmission (on demand)Conversion of Audio from Digital format to Analogue formatConversion of Video from Digital format to Analogue format
Module Overview	**Aims** **Provide students with the skills and knowledge to recognize the differences between, and the application of different standards and protocols in the media broadcast arena.** **Learning Outcomes** **After completing the module the student should be able to:** **1 Identify and describe parameters associated with broadcast quality audio.** **2 Identify and describe parameters associated with broadcast quality video.** **3 Analyse a broadcasting scenario, and discuss the applicability of different protocols and standards.**
Additional Information	The module introduces students to the standards used in the generation, transmission and reception of AV content.This module aligns to the following UN Sustainable Development Goals:4 Quality Education5 Gender Equality8 Decent Work and Economic Growth10 Reduced Inequalities

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Test	In-Class Tests	60	0	MLO2, MLO1
Report	Examination of protocols	40	0	MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ronan McMahon	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings