

Liverpool John Moores University

Warning: An incomplete or missing proforma may have resulted from system verification processing

Title: Media Formats
Status: Definitive
Code: **7113AMP** (129232)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
Colin Robinson	Y
Tony McKenna	

Academic Level: FHEQ7 **Credit Value:** 10 **Total Delivered Hours:** 22
Total Learning Hours: 100 **Private Study:** 78

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	10
Practical	6
Tutorial	6

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Investigation into methods of media capture and storage	100	

Aims

The module will explore various methods of storing and reproducing representations of media in a variety of media formats.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify and evaluate the principles and limitations of various media storage formats
- 2 Recommend suitable procedures for recovery, transfer, storage and redistribution of media from a variety of formats

Learning Outcomes of Assessments

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

Report	1	2
--------	---	---

Outline Syllabus

Media recording history

Analogue and digital media formats

Limitations of various media formats

Introduction to the theory and capabilities of various media formats

Digitization conversion and transfer of media formats

Lossy and lossless formats

Recording, processing, storage and duplication of media from various media formats

Learning Activities

Lectures, tutorials, investigations, practical sessions and demonstrations including measurement and calculation procedures.

Notes

In 150 years or so of recorded media there has been a plethora of ingenious ways of recording and storing Sound and vision. Each decade brought its own advances in methodology and techniques. Consequently, new technologies for recording storage and playback needed to be developed, perfected, marketed and accepted. This module introduces the student to many of the formats that have been used to store and distribute media and explains the ways modern digital techniques can transfer store preserve and interrogate their often-unique content to the very highest standards.