

Module Specification

Module Summary Information

1	Module Title	Audio and Video Technology
2	Module Credits	20
3	Module Level	4
4	Module Code	DIG4148

5	Module Overview
<p>This module will develop your understanding of audio visual technologies in production. The aim of this module is to provide you with the knowledge and appreciation of fundamental principles and practices of audio visual technology.</p> <p>You will explore the various technologies used to produce a film to a professional standard and gain a deeper understanding of the science of image and audio capture.</p> <p>Flipped learning methods will be used throughout the module whereby you are expected to study theoretical aspects in your own time and the practical learning takes place in class within an interactive dynamic environment.</p> <p>A practice based approach will enable you to learn by doing and relate how these techniques are used within the film production environment.</p>	

6	Indicative Content
<p>Image capture Camera sensor technologies – past, present and future</p> <p>Photography and optics Lens mechanics, methods for testing lens quality</p> <p>Lighting technologies Fundamentals of lighting, lighting sources, electrics, Inverse square law</p> <p>Audio Technology Basics of sound propagation and perception. Low level digital manipulation of audio and video</p>	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Identify fundamental concepts of digital and analogue media in production.
2	Discuss and relate the technologies to audio and video production.
3	Review present technologies in production and future trends.
4	Deliver an effective presentation using an appropriate visual aid

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1, 2, 3	X		
4			X

9	Breakdown Learning and Teaching Activities	
Learning Activities	Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	40	
Private Study (PS) includes preparation for exams	112	
Total Study Hours:	200	