Module Specification

Module Summary Information

1	Module Title	Compositing Fundamentals
2	Module Credits	20
3	Module Level	4
4	Module Code	DIG4162

5	Module Overview

This module provides knowledge and experience of digital video compositing, exploring the fundamental principles and techniques of composing and introduction to professional node based compositing tools. The competent use and application of these techniques are core practical skills within the course programme and fundamentally important to a variety of careers within the visual effects industry.

You will also develop skills in combining 2D and 3D visual elements within a single composite, developing an understanding of the limitations and opportunities of using this approach.
The sessions will be practice-led, students will have the opportunity to develop a broad range of skills which are fundamental to the visual effects industry.

6	Indicative Content

Green Screen Production: green/blue screen rigs and set-ups; lighting; set measurements and readings; camera requirements.

Visual Effects Techniques: colour correction; motion tracking; rotoscoping; cloning; particle effects; filter effects; object removal; expressions.

Digital Compositing: keying, mattes, masks, colour matching, blending.

Visual Effects Principles: optics; light; planning; director's references; working to a visual style.

Matchmoving: Supervised camera tracking, On set data collection, lineups, tracking tools

7	Module Learning Outcomes
	On successful completion of the module, students will be able to:
1	Apply the fundamental principles of compositing to produce effective and convincing visual effects shots.
2	Demonstrate technical understanding of compositing tools and techniques to create an efficient and effective workflow.
3	Discuss and explain a key area of compositing.

8	Module Assessment		
Learning Outcome			
	Coursework	**Exam**	**In-Person**
1 - 3	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		32
Private Study (PS) includes preparation for exams		120
Total Study Hours:		200