

University of Brighton

MODULE SPECIFICATION TEMPLATE

MODULE DETAILS										
Module title	Introduction to 3D Modelling and Animation									
Module code	CI474	CI474								
Credit value	20									
Level	Level 4 x	Le	vel 5	Le	vel 6	3	Lev	el 7	Level 8	
Mark the box to the right of the appropriate level with an 'X'	Level 0 (for	modul	es at foundati	on le	vel)					
Entry criteria for registration	on this mod	ule								
Pre-requisites Specify in terms of module codes or equivalent										
Co-requisite modules Specify in terms of module codes or equivalent										
Module delivery										
Mode of delivery	Taught	Х	Distanc	е		Plac	ement		Online	
	Other							•		•
Pattern of delivery	Weekly	х	Block			0	ther			
When module is delivered	Semester	1	Se	eme	ster	2		Thro	ughout year	Х
	Other		l l			I				
Brief description of module	This module	will pr	ovide an in	trod	uctio	on to	the fou	ndatio	ons of 3D com	puter
content and/ or aims									als of basic 3D	
Overview (max 80 words)									ion, students v	
	for multi form			ite s	ımpı	e 3D	anımatı	ed re	ndered seque	nces
Module team/ author/ coordinator(s)	Jon McClella	n								
School	Computing, E	ngine	ering and	Matl	nem	atics				
Site/ campus where delivered	Moulsecoom	b								
uenvereu										
Course(s) for which module is appropriate and status on that course										
Course						tus (r ional		tory/	compulsory/	
BSc (Hons) Digital Games Dev					Compulsory					
BSc (Hons) Computer Science	for Games				Cor	npuls	ory			

MODULE AIMS, ASSESSMENT AND SUPPORT				
Aims	This module aims to allow students to develop core skills in the planning and creation of 3D models.			
Learning outcomes	This module aims to allow students to develop core skills in the			

Module specification template: updated Aug 2014

	 Understand key legal, ethical and professional issues within modelling and animation.
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Content	Production planning, storyboard and concept art creation and use. Modelling objects and backgrounds using primitives. Building basic environments: objects, lights and cameras. Object hierarchies and their uses. Creating and modifying meshes and splines. Creating and modifying revolved and lofted objects. Shader materials and texture maps. Basic keyframe animation. 3d camera animation.
	Rendering. Legal, ethical and professional issues within animation. Production planning and time management.
Learning support	Indicative Reading: Latest versions of the following: Derakshani, D, Introducing Autodesk Maya. Focal Press. Ingrassia, M. Maya for Games. Focal Press. Nass, P. Maya Essentials. Official Autodesk Press. McKinley, M. The Game Animators Guide to Maya. Wiley Glebas, F. Directing the Story: Professional Storytelling and Storyboarding Techniques for Live Action and Animation. Focal Press Hart, J. The Art of the Storyboard. Focal Press Software Industry standard software will be used for modelling and animation asset creation. Online Resources Web links will be provided on student central during module delivery,
	these will include links to relevant on-line tutorials such as those available at Lynda.com

Details of teaching and learning activities	Face to face learning: This will take the form of a combination of weekly lectures and lab based tutorials. Online Learning: All study materials will be made available on Student Central. All student work will be submitted electronically and students will be provided with e-feedback. Feedback including marks will be provided through Student Central, Grade Centre. Formative assessment: As part of their guided independent study and lab/tutorial exercises, working from their production plan (Portfolio task 1), students will begin to create a 3D scene for the animated sequence. Feedback will take		
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	the form of verbal and written comments from both the mand peer review.	lodule team	
Allocation of study hours (in	dicative)	Study hours	
Where 10 credits = 100 learning hours			
SCHEDULED	This is an indication of the number of hours students can expect to spend in scheduled teaching activities including lectures, seminars, tutorials, project supervision, demonstrations, practical classes and workshops, supervised time in workshops/ studios, fieldwork, and external visits.	48	
GUIDED INDEPENDENT STUDY	All students are expected to undertake guided independent study which includes wider reading/ practice, follow-up work, the completion of assessment tasks, and revisions.	152	

Teaching and learning activities

PLACEMENT	The placement is a specific type of learning away from the University. It includes work-based learning and study that occurs overseas.	
	TOTAL STUDY HOURS	200

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Assessment tasks		
Details of assessment on this module	Portfolio task 1: Production plan for animation project (I As part of their guided independent study and lab/tutoria students will complete a production plan for animated set. The task will require the submission of the Storyboard, C a short reflective report (approximately 1,000 words). Portfolio task 2: Finished 3D animated scene. (LO 2,3, As part of their guided independent study and lab/tutorial students will complete a short animated sequence. The task will require the submission of the finished 3D so associated files, rendered animated sequence and a shoreport of (approximately 2,000 words).	exercises, equence. oncept Art and 4) (70%). exercises, eene with
Types of assessment task ¹ Indicative list of summative assessment tasks which lead to the award of credit or which are required for progression.		% weighting (or indicate if component is pass/fail)
WRITTEN	Written exam	
COURSEWORK	Written assignment/ essay, report, dissertation, portfolio, project output, set exercise	100%
PRACTICAL	Oral assessment and presentation, practical skills assessment, set exercise	

EXAMINATION INFORMAT	TION
Area examination board	Computing

Refer to University for guidance in completing the following sections

External examiners			
Name	Position and institution	Date appointed	Date tenure ends
Silvester Czanner	Liverpool John Moores University	1 October 2019	30 September 2023

QUALITY ASSURANCE	
Date of first approval Only complete where this is not the first version	CDR April 2018
Date of last revision Only complete where this is not the first version	Editorial change Oct 2018, January 2020

¹ Set exercises, which assess the application of knowledge or analytical, problem-solving or evaluative skills, are included under the type of assessment most appropriate to the particular task.

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Date of approval for this version	Editorial June 20			
Version number	2.1			
Modules replaced Specify codes of modules for which this is a replacement	CI174			
Available as free-standing mo	odule?	Yes	No	Χ