

Module Details	
Module Title:	Introduction to 3D Computer Animation
Module Code:	GAV4007-B
Academic Year:	2019-20
Credit Rating:	20
School:	Department of Media Design and Technology
Subject Area:	Games, Animation and Visual Effects
FHEQ Level:	FHEQ Level 4
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	12
Laboratory	24
Directed Study	164

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims
To provide an introduction to the theory and practice of 3D computer modelling and animation

Outline Syllabus
Introduction to 3D Computer animation techniques, examples of software systems modelling in 3D Lighting and surfacing, rendering algorithms for 3D animation.

Learning Outcomes
1 Describe and explain the general concepts of 3D graphics and a 3D computer

	animation environment.
2	Produce a 3D animation using appropriate processes and techniques; identify the advantages and disadvantages of computer graphics environments in relation to other key areas of animation and modelling.
3	Demonstrate personal and project management skills by work to a specification within a prescribed timescale.

Learning, Teaching and Assessment Strategy

The module is delivered through a combination of practical labs, didactic presentations, group work, and directed reading, via online tutorials, forums and professional e-learning training environments. The supplied material will provide the theoretical background, the didactic presentations will model best practice and the lab sessions will reaffirm the practical skills. Supplementary assessment is to repair deficiency in original submission.

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Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Examination - open book or seen paper	Computerised test - open book	2 hours	50%
Summative	Classroom test	Student is given a storyboard and is expected to demonstrate modelling/animation and lighting skills	3 hours	50%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.