

Module Details	
Module Title	Motion Capture
Module Code	GAV6018-B
Academic Year	2024/5
Credits	20
School	School of Built Environment, Architecture & Creative Industries
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Seminars	4
Laboratories	20
Directed Study	176

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2

Module Aims
<p>This module seeks to provide students with a broad understanding of the process of motion capture; including equipment setup, data capture, clean up, editing and final render. The module is practical in nature, focusing on the use of motion capture pipelines rather than the fundamental theory of the techniques.</p>

Outline Syllabus
<p>The syllabus includes motion capture equipment setup and calibration, data capture, data correction, motion capture editing and rendering.</p>

Learning Outcomes	
Outcome Number	Description
01	LO1: Demonstrate the ability to produce effective motion capture-based animations using industry standard motion capture techniques and software.
02	LO2: Critically evaluate and develop motion capture techniques and practices to complete a broad animation brief.

Learning, Teaching and Assessment Strategy
Methodologies for the capture and editing of motion capture data are demonstrated within lab-based tutorials. Student led seminars support development of a final animated solution to a broad brief.
Students will be assessed on their ability to create an animation created from motion capture data only. The animation will be reviewed in a group context during oral presentations.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Written	Project	70%
Summative	Presentation	Development Review	30%

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.

© University of Bradford 2024

<https://bradford.ac.uk>