

UNIVERSITI TEKNOLOGI MARA CGD523: THREE DIMENSIONAL ANIMATION AND MODELING

Course Name (English)	THREE DIMENSIONAL ANIMATION AND MODELING APPROVED			
Course Code	CGD523			
MQF Credit	3			
Course Description	This course provides an introduction to 3D modelling and animation process: organization and integration of various creative arts used in animation; possibilities in style, media, technique, and equipment.			
Transferable Skills	Communication Teamwork Technology literacy Adaptability			
Teaching Methodologies	Lectures, Studio, Tutorial, Simulation Activity, Computer Aided Learning, Project-based Learning			
CLO	CLO1 Recognize the concept and theory of modelling and animation. CLO2 Construct creative arts, modelling and animation based on their learnt skills. CLO3 Integrate the art materials into an animation for team based project			
Pre-Requisite Courses	No course recommendations			
Topics				
1. Introduction, History & Current Industry of Games Art. 1.1) N/A				
2. 3D Software & Overview of Games Art 2.1) N/A				
3. 3D Graphics and Software Usage 3.1) N/A				
1 '				
	als: 3D Content Creation			
4. Modeling Princip 4.1) N/A	als: 3D Content Creation Polygons & Shaders			
4. Modeling Princip 4.1) N/A 5. Vector Graphics,	Polygons & Shaders			
4. Modeling Princip 4.1) N/A 5. Vector Graphics, 5.1) N/A 6. 3D Modeling Opti 6.1) N/A 7. 3D Video Game E 7.1) N/A	Polygons & Shaders imization Engines Introduction			
4. Modeling Princip 4.1) N/A 5. Vector Graphics, 5.1) N/A 6. 3D Modeling Opti 6.1) N/A 7. 3D Video Game E 7.1) N/A	Polygons & Shaders imization			
4. Modeling Princip 4.1) N/A 5. Vector Graphics, 5.1) N/A 6. 3D Modeling Opti 6.1) N/A 7. 3D Video Game E 7.1) N/A 8. Texturing & Mapp	Polygons & Shaders imization Engines Introduction ping Process on 3D Models			
4. Modeling Princip 4.1) N/A 5. Vector Graphics, 5.1) N/A 6. 3D Modeling Opti 6.1) N/A 7. 3D Video Game E 7.1) N/A 8. Texturing & Mapp 8.1) N/A 9. Material Creation	Polygons & Shaders imization Engines Introduction ping Process on 3D Models			

Faculty Name : COLLEGE OF CREATIVE ARTS

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Start Year : 2019

Review Year : 2021

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of				
Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	n/a	30%	CLO1
	Assignment	n/a	40%	CLO3
	Group Project	n/a	30%	CLO2

Reading List Recommended Text		Ami Chopine 2011, 3D Art Essentials: The Fundamentals of 3D Modeling, Texturing, and Animation., Focal Press [ISBN: 0240814711]	
	,	Michael E. Mortenson 2010, 3D Modeling, Animation, and Rendering: An Illustrated Lexicon, CreateSpace [ISBN: 1453728481]	
		Chris Totten 2012, <i>Game Character Creation with Blender and Unity</i> , illustrated Ed., John Wiley & Sons [ISBN: 978-111823771]	
		Joseph J. LaViola Jr., Ernst Kruijff, Ryan P. McMahan, Doug Bowman, Ivan P. Poupyrev 2017, <i>3D User Interfaces: Theory</i> and Practice, 2 Ed., Addison-Wesley Professional [ISBN: 978-013403446]	
		Richard Lowe, Rolf Ploetzner 2017, <i>Learning from Dynamic Visualization: Innovations in Research and Application</i> , Springer [ISBN: 978-331956204]	
Article/Paper List	This Course does not have any article/paper resources		
Other References	This Course does not have any other resources		

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