

## UNIVERSITI TEKNOLOGI MARA

## CGD553: SPECIAL EFFECTS IN GAME DESIGN

ourse Code						
	CGD553					
QF Credit	3					
ourse escription	Understanding the importanty of special effects in game design and how it differs from other techniques.					
ansferable Skills	Organizational, Teamwork, Technology Literacy					
eaching ethodologies	Lectures, Blended Learning, Self-directed Learning, Project-based Learning					
LO	<ul> <li>CLO1 Distinguish the context and the foundation concepts, algorithms, techniques and applications of visual special effects (C2, PO1)</li> <li>CLO2 Select visual special effects techniques appropriate for particular applications (P1, PO2)</li> <li>CLO3 Display visual special effects knowledge onto a team game project (A5, PO3)</li> </ul>					
re-Requisite ourses	No course recommendations					
opics						
1. Introduction to Visual Effects						
2. Designing Visual Effects 2.1) N/A						
3. Visual Effects Tools and Advanced Functions 3.1) N/A						
4. Animation in Game Engine 4.1) N/A						
5. Dynamic Particle Illusions 5.1) N/A						
6.1) N/A						
7. Overview to Visual Effects Programming Applications 7.1) N/A						
8. Geometric Representation 8.1) N/A						
9.1) N/A						
10. Language of Film/Animation 10.1) N/A						
11. Image Synthesis, Lighting and Rendering for Videogames						
12.1) N/A						
<b>13. Ethics and Future of Visualization Industry</b> 13.1) N/A						
14. Final Presentation 14.1) N/A						

Faculty Name : COLLEGE OF CREATIVE ARTS © Copyright Universiti Teknologi MARA

Faculty Name : COLLEGE OF CREATIVE ARTS © Copyright Universiti Teknologi MARA

Start Year : 2019 Review Year : 2021

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of							
Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO			
	Group Project	Develop visual special effect for a game.	50%	CLO3			
	Individual Project	Identify the factors that influence the sucessfulness of visual special effects.	20%	CLO1			
	Individual Project	Develop visual special effect for a selected application.	30%	CLO2			
Reading List	Recommended TextTrish & Chris Meyer 2010, Creating Motion Graphics with After Effects: Essential and Advanced Techniques, 5th Edition, Version CS5, 5th Ed., Routledge [ISBN: 978-024081415]Richard Yot 2019, • Light for Visual Artists: Understanding and using light in art and design, Richard Yot, Laurence King Publishing, 1st Ed., Laurence King Publishing [ISBN: 978-178627451]Chad Perkins 2012, The After Effects Illusionist: All the Effects in One Complete Guide, 2nd Ed., Routledge [ISBN: 978-02408189]Steve Wright 2011, Compositing Visual Effects, Second Edition: Essentials for the Aspiring Artist, Focal Press [ISBN: 978-024081781]Reference Book ResourcesLisa Fridsma, Brie Gyncild 2017, Brie Gyncild, 1 edition (January 1, 2017) Ed., Adobe Press [ISBN: 978-01346653] Jon Gress 2014, [digital] Visual Effects and Compositing, 1 						
Article/Paper List	This Course does not have any article/paper resources						
Other References	This Course does not have any other resources						