



UNIVERSITI TEKNOLOGI MARA

FAB543: DIGITAL VISUAL COMPOSITING & EDITING

Course Name (English)	DIGITAL VISUAL COMPOSITING & EDITING APPROVED
Course Code	FAB543
MQF Credit	4
Course Description	This course introduces students to the digital visual compositing and editing which combines two or sources to create a new image. It gathers elements for compositing from film/video, animation and still sources and the variety of techniques used as to manipulate and combine them. Students will also be exposed to the image-making through the study of frame composition, blue/ green screen, editing and timing, screen colour theory and other compositing tools and techniques found in the post production software tools. This project-based course works in collaboration with other courses upon completing a final project.
Transferable Skills	Apply numerical skills to interpret, use and analyse information and subject matter Undertake independent and self-directed study and learning in life drawing Work safely and accurately within time management constraints
Teaching Methodologies	Lectures, Studio, Tutorial
CLO	CLO1 Analyze the post-production workflow in effect-based work in digital visual projects. CLO2 Demonstrate skills by combining multiple elements for seamless outcome in digital visual projects. CLO3 Formulate compositing knowledge and skills by completing digital visual projects.
Pre-Requisite Courses	No course recommendations
Topics	
1. Week 1 - Course Briefing & Introduction 1.1) Course Briefing 1.2) What is compositing? 1.3) Compositing vs Editing	
2. Week 2 - Introduction to After Effects 2.1) Creating New Composition 2.2) Timeline and navigation 2.3) Animation in After Effects 2.4) Layer Transformation Parameters 2.5) Graph Editor	
3. Week 3 - Chroma Key I 3.1) Green Screen	
4. Week 4 - Chroma Key II 4.1) Color Correction and Grading	
5. Week 5 - Rotoscoping I 5.1) History 5.2) Rotoscoping Tools	
6. Week 6 - Rotoscoping II 6.1) Prepare Rotoscoping Breakdown	
7. Week 7 - Motion Tracking and Stabilizing I 7.1) Motion tracking Techniques	

8. Week 8 - Motion Tracking and Stabilizing II 8.1) Face Tracking
9. Week 9 - Multiplane 3D Camera Projection I 9.1) Animating 3D camera
10. Week 10 - Multiplane 3D Camera Projection II 10.1) Motion blur and frame blending
11. Week 11 - Editing: Introduction to DaVinci Resolve I 11.1) Cutting, moving, stretchching in the Timeline
12. Week 12 - Editing: Introduction to DaVinci Resolve II 12.1) Cutting, moving, stretchching in the Timeline
13. Week 13 - Audio Editing 13.1) Edit Audio - Final Year Project 13.2) Foley 13.3) Noise Reduction
14. Week 14 - Presentation 14.1) Final Project Presentation & Submission

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Discussing and apply the basic rule of compositing and editing in group project	20%	CLO2
	Assignment	Lab individual assignments regarding topics by weeks.	40%	CLO1
	Final Project	Presentation on Final Year Project by group with the topics briefed.	40%	CLO3

Reading List	Recommended Text
	<ul style="list-style-type: none"> • Rickitt, Richard 2000, <i>Special Effects: History and Technique</i>, Watson-Guptill Publication • Kerlow, Isacc V. 2003, <i>The art of 3D Computer Animation & Effects</i>, John Wiley & Son • Brinkman, R. 1999, <i>The Art and Science of Digital Compositing</i>, Ap Professional London • Hamilton, J. 1998, <i>Special Effects in Film and Television</i>, Dorling Kindersley London • Smith, T.G. 1986, <i>Industrial Light & Magic: The art of Special Effects</i>, Columbus London
Article/Paper List	This Course does not have any article/paper resources
Other References	<ul style="list-style-type: none"> • n/a Steve Wright 2007, <i>Compositing Visual Effects</i>