

COURSE INFORMATION

1.	Name of Course										imedia	Applic	ations			
2 .	Course Code										\5018					
3 .	Type of Course (e.g. : Core, major, elective etc.)									Elec	tive					
4 .	Synopsis									vide tech	o, sour niques	nd, and using	l anim multin	ation, to deliver a	message. Student	s, such as graphics, text, will learn the design d to develop their own
5 .	Version (State the date of theSenate's appr	oval - p	oreviou	s and t	he curr	ent app	roval d	ate)		Prev	ent: Od vious: J	une 20	017	2017 Special Sena	ate 93 Nov 2017	
6.	Name(s) of Academic Staff									Ras	hidah A	hmad	, Yap	Hui Yen		
7.	Semester and Year Offered									_	ester 1	, Year	2			
	Credit Value Pre-Requisite									3						
10 .	Objective of the course in the	ne pro	gram	me:												
	To introduce basic principles a processing, and retrieving mu	and cu	urrent dia dat	techno a such	n as so	ound a	nd mu								. Issues in effective	ely representing,
11 .	Justification for including the This subject will be useful for							nultime	edia s	oftwa	re and	tools f	or thei	r Final Year Projec	cts.	
12 .	Course Learning Outcomes												Oomai	n		Level
	CLO1: Describe basic el multimedia develo	opmer	nt.									С	ognitiv	re .		2
	CLO2: Apply the basic si											С	ognitiv	re .		3
40	CLO3: Produce creative technology.									Outs			ognitiv			3
13 .	Mapping of the Course Lea	rning	Outco	omes	to the	Progr	amme	e Lear	ning	Outc	omes,	reacn	ing w	etnous and Asse	ssment:	
	Course Learning Outcomes (CLO) (Must tally with CLOs in item 12)	P L O	P L O	P L O	P L O	P L O	P L O	P L O	P L O			Teach	ing M∙	ethods	Asses	sment Method
	CLO1	1	2	3	4	5	6	7	8	Lect	ure				Final, Test and Q	uiz
	CLO2		✓							Lab					Lab Exercise	ui.
	CLO3						✓			Lab					Project	
	Total	1	1				1			(This		otion m	ust be	read together with s		he appropriate relevant box 1, and 2.2.2 in Area 2 –
14 .	Transferable Skills:	<u>'</u>				-		-								
	Practical skill and problem so	lving														
15 .	Distribution of Student Lea	rning	I ime	(SLI)				1		1	Teach	ing an	d		<u> </u>	
											arning	_		Guided	Independent	
	Course C	Conte	nt Out	line				**C	LO	Guided Learn			Guided		Learning	Total SLT
											(F2	2F)*		(NF2F)*	(NF2F)*	
										*L	*T	*P	*0			
	Topic 1: Introduction to Multimedia Multimedia Terms – Multimedia, Integration, Interactive, Nonlinear vs. linear content, Benefits of Using Multimedia in Software, Problems with Multimedia, where to use multimedia, Multimedia in Business, Multimedia in schools Multimedia at Home, Multimedia in Public Places, Virtual Reality, Multimedia Delivery Method– CD-ROM, DVD, Web Pages									2					2	4
	2 Topic 2: Multimedia H Hardware - Apple vs. W Networking, Memory ar Output Devices Softwar Processing Tools, OCR Tools, 3D Modeling and Tools, Sound Editing To Authoring Tools, Choos	/indownd Stor re - Te Softw I Anim ool, Au	vs Operage Dext edit vare, Fronting vation the	erating Device ting ar Paintin tools, g Sys	Systems, Inputed World W	ut Devi rd Drawii Editin	ng g	CL	.01	2					4	6

3	Topic 3: Designing and Producing Designing the structure – Navigation and navigation map, Structure for multimedia projects – linear, hierarchical, nonlinear & composite, Structural Depth, Storyboard, Designing the user interface – Graphical Approaches, Things to Avoid	CLO1	2			4	6
4	Topic 4: Multimedia Development Stages Four Basic Stages – Planning & Costing, Designing & Producing, Testing, Delivering, Planning & Costing – Idea Analysis, Scope, Project Objectives, Target Audiences, Estimate the Cost & Timeline, Building A Team, Gantt Chart, Proposal, Testing – Alpha Testing & Beta Testing	CLO1	4			4	8
5	Topic 5: Text The importance of text, Font & Typefaces, Font Styles, Attributes of Fonts - Serif vs. San Serif, Using text in Multimedia Presentations, Font editing & Design tools, Hypermedia & Hypertext	CLO1	2			3	5
6	Topic 6: Images Bitmaps and Vector Drawn, Bitmap sources and software, how vector Drawing Works, Vector-Drawn Objects vs. Bitmaps, Converting Between Bitmap and Drawn Images, 3D Drawing and Rendering, Limitations and capabilities of Bitmap, Vector and 3D Drawing, Colour – Understanding Natural Light and Colour, Computerized Colour, Colour Palettes, Dithering, Image File Formats	CLO1	4			4	8
7	Topic 7: Animation Definition, Principles of Animation, Animation Techniques, 2D Animation - Keyframes & Tweening, 3D Animation - Kinematics, Inverse Kinematics, Morphing, Animation File Formats	CLO1	2			2	4
8	Topic 8: Sound Components and Measurements of Sound, Digital Audio – Sampling rates and Sampling sizes most often used in Multimedia, Making Digital Audio Files – Editing Digital Recordings Process - Audacity, File Size vs. Quality, MIDI Audio, MIDI vs. Digital Audio, Multimedia System Sounds, Audio File Formats, Adding Sound to Multimedia Project, Space Considerations, Audio Recording, Audio CDs, Sound for Mobile, Sound for Internet, Copyright Issues	CLO1	2			2	4
9	Topic 9: Video Implications of using video in multimedia, How Video Works and Displayed, Analog Video – Component, S- Video, Composite, Analog Broadcast video standards, Digital Video – HDTV, Displays, Video Data Size, Video File Formats and Codec, Shooting and Editing Video, Tips for creating good titles and text in Video, Nonlinear Editing (NLE) software – iMovie	CLO1	2			2	4
10	Topic 10: Internet and Multimedia The origin of Internet, Internet Services, Multimedia on Web, Tools for the World Wide Web	CLO1	2			2	4
11	Lab 1: Getting to Know Photoshop Recognize Adobe Photoshop CS6 working environments, identify each features in the Photoshop toolbox, Start a new Photoshop document and file formats, Modify using basic editing skills - Selection, Crop, and Slice tools.	CLO2, CLO3		2		2	4
12	Lab 2: Image Editing and Retouching Skills Use the editing tools to alter image /photo, Edit and fix photos by sharpening, enhancing and correcting various distortion problems that occur with many photos, manipulate images by using Retouch and Paint tools, Arrange and work with layered image, Various effects in Photoshop Filters and Layer Effects.	CLO2, CLO3		4		4	8
13	Lab 3: Getting to Know Flash Creating and Setting document properties, Adding Text, Graphics Symbol, Layers, Drawing, Resizing, Rotating and Align objects.	CLO2, CLO3		2		2	4
14	Lab 4: Understanding Keyframes and Tweening Creating Movieclip symbols, keyframes, Tweening – Animating the Wheel and Train, Importing Images and Tracing Bitmap image to Vector.	CLO2, CLO3		2		2	4
15	Lab 5: Creating Button, Inserting Sound and Scene Creating rollover button with text, Adding Sound to Button and Movieclip, adding filter effects (stroke for text), Inserting new scene in FLA file – creating bouncing ball and masking effects in new scene.	CLO2, CLO3		2		2	4

16 Lab 6. ActionScript and Publishing ActionScript Programming 2.0 vs. 3.0, Play and Stop a							
movie clip, Control Sound, Linking, Publishing – Modifying	CLO2.						
Projectors with FSCommands, Creating Projectors.	CLO3		2	?		2	4
	5255						
17 Lab 7: Getting to Know Audacity	CLO2.						
Audacity Interface and Environment	CLO3		2	2		2	4
18 Lab 8: Sound Recording Using Audacity	CLO2.						
Recording, Editing, Tempo, Exporting	CLO3		2	2		2	4
	•		•	•		Total SLT	69
	SUMMATI	VE ASS	SESSME	NT			
1. Continuous Assessment			Р	ercent	age %	Total SLT	
Test				15°	%	8	
Lab Exercise				10°	-	12	
Quiz				10°	· -	3	
Project				15°	%	10	
		Total :	SLT for	Contir	uous Assessment		33
						7	otal SLT
2. Final Assessment			Р	ercent	age %	F2F	ILT
Final Exam				50°	%	2	16
	Total	SLT fo	r Final A	ssess	ment (F2F + NF2F)		18
Grand Total				100	0/		120
				100	/0		120
**Indicate the CLO based on the CLO's numbering in Item 12			. Na Fa	4- 1			
		NF2F*=	Non Fa	ce to I	Face		
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