1	Name of Course :	Fundamentals of Web Design and Development	Version Number:	VC1
	Course Code :	CT053-3-1	Effective Date:	01 Apr 2018

2	Synopsis :	The module aims to develop the student's understanding and knowledge in web based technologies and various scripting languages used web based application development; from the client side perspective in a client/server architecture environment. The student will learn to design and develop website based on the scripting languages and website design concepts learned in this module.

3	Name(s) of academic staff :	**Wong Chung Wei**, Daniel Mago Vistro, Naresh Kumar

4	Semester and Year offered :	See Programme Specification (Module may be delivered on multiple programmes and therefore in different years/semesters)

5	Credit Value :	3

6	Prerequisite/co-requisite: (if any)	None

7   Course Learning Outcomes (CLO) : At the end of the course the students will be able to:

CLO1	Explain the technologies, methods and tools required in website development.(C2,PLO1)
CLO2	Demonstrate the important scripting languages used in website development and be able to apply the scripting languages in web design and development.(A3,PLO4)
CLO3	Apply the concept of user interface design related to web application. (C3,PLO3)
CLO4	

8   Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment :

Course Learning Outcomes (CLO)	Programme Learning Outcomes (PLO)									Teaching Methods	Assessment
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9		
CLO 1	✓									Lecture	Class Test
CLO 2				✓						Tutorial	Assignment
CLO 3			✓							Tutorial	Assignment
CLO 4											

Indicate the relevancy between the CLO and PLO by ticking "v" the appropriate relevant box.

9	Transferable Skills (if applicable) (Skills learned in the course of study which can be useful and utilized in other settings)	1	Problem Solving and Scientific Skills;
		2	Communication Skills,
		3	

10   Distribution of Student Learning Time (SLT)

Course Content Outline	CLO*	Teaching and Learning Activities						SLT
		Guided Learning (F2F)				Guided Learning (NF2F) eg: e-Learning	Independent Learning (NF2F)	
		L	T	P	O			
Introduction to the Internet	1	1					2	3
HTML Part 1/3	1	1					2	3
HTML Part 2/3	1	1					2	3
HTML Part 3/3	1	1					2	3
Introduction to CSS Part 1/3	1	1					2	3
CSS Part 2/3	1	1					2	3
CSS Part 3/3	1	1					2	3
Introduction to JavaScript Part 1/4	1	1					2	3
JavaScript Part 2/4	1	1					2	3

JavaScript Part 3/4	1	1				2	3
JavaScript Part 4/4	1	1				2	3
Lab (HTML)	2	13				13	26
Lab (CSS)	2	6				6	12
Lab (JavaScript)	2	8				8	16
Website Design and Process	3	4				4	8
							0
							0
						Total	95

	Continuous Assessment	Percentage (%)	F2F	NF2F	SLT
1	Group Assignment	70	2	19	21
2	Test	30	1	3	4
3					0
4					0
5					0
6					0
				Total	25

	Final Assessment	Percentage (%)	F2F	NF2F	SLT
1					
2					0
3					0
4					0
				Total	0

**Please tick (√) if this course is Latihan Industri/ Clinical Placement/ Practicum/ WBL using 2-weeks, 1 credit formula		**GRAND TOTAL SLT** 120

L = Lecture, T = Tutorial, P= Practical, O= Others, F2F=Face to Face, NF2F=Non Face to Face
*Indicate the CLO based on the CLO's numbering in Item 8.

11	Identify special requirement to deliver the course (e.g: software, nursery, computer lab, simulation room, etc)	Microsoft Expression Web or Adobe Dreamweaver A Web Browser (Chrome, Edge, Firefox, IE or Opera) A Text Editor (Notepad)
12	References : (include required and further readings, and should be the most current)	**Essential Reading** Deitel, P., Deitel, H. and Deitel, A. (2012). *Internet and World Wide Web: How to Program. 5th ed* . Revised, USA:Pearson Education. * Note: Older references are indispensable and have no substitute as of Q1 2018. Duckett, J. (2014). *Web Design with HTML, CSS, JavaScript and jQuery* Set. USA:John Wiley & Son. * Note: Older references are indispensable and have no substitute as of Q1 2018 Duckett, J. (2014). *HTML and CSS: Design and Build Websites* . USA:John Wiley & Son. * Note: Older references are indispensable and have no substitute as of Q1 2018 **Further Reading** W3Schools Online Web Tutorial (2018). Available at: http://www.w3schools.com (Accessed: 02 February, 2018

13	Other additional information :	None