


1	Course Name:	Fundamentals of Web Design and Development										Version Number:	VE1																																																																																																																																																																																																									
	Course Code:	CT053-3-1										Effective Date:	01 Mar 2023																																																																																																																																																																																																									
	Course Classification:	Elective (Core)																																																																																																																																																																																																																				
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:	1	Wong Chung Wei																																																																																																																																																																																																																			
		2	Daniel Mago Vistro																																																																																																																																																																																																																			
		3	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																																																																																																																																																																																																																				
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9	Transferable Skills (if applicable)	<p>(Skills learned in the course of study which can be useful and utilized in other settings)</p> <table border="1"> <tr> <td>1</td> <td>Cognitive skills</td> </tr> <tr> <td>2</td> <td>Interpersonal skills</td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td colspan="2">Open-ended response (if any)</td> </tr> <tr> <td>4</td> <td></td> </tr> </table>												1	Cognitive skills	2	Interpersonal skills	3		Open-ended response (if any)		4																																																																																																																																																																																																
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10	Distribution of Student Learning Time (SLT)	Note: This SLT calculation is designed for home grown programme only.																																																																																																																																																																																																																				

Course Content Outline and Subtopics			CLO*	Learning and Teaching Activities**										Total SLT	
				Face-to-Face (F2F)								NF2F Independent Learning (Asynchronous)			
				Physical				Online/ Technology-mediated (Synchronous)							
															L
1	Introduction to the Internet		1	1										2	
2	HTML Part 1/3		1	1										2	
3	HTML Part 2/3		1	1										2	
4	HTML Part 3/3		1	1										2	
5	CSS Part 1/3		1	1										2	
6	CSS Part 2/3		1	1										2	
7	CSS Part 3/3		1	1										2	
8	JavaScript Part 1/3		1	1										2	
9	JavaScript Part 2/3		1	1										2	
10	JavaScript Part 3/3		1	1										2	
11	Tutorial (HTML)		2		14									14	
12	Tutorial (CSS)		2		6									6	
13	Tutorial (JavaScript)		2		8									8	
14	User Design Principles		3		2									2	
15	Website Design and Development		3		2									2	
16															
17															
18															
19															
20															
SUB-TOTAL SLT:															94
Continous Assesment			%	Face-to-Face (F2F)								NF2F Independent Learning for Assessment (Asynchronous)			
				Physical				Online/ Technology-mediated (Synchronous)							
1	Group Assignment - Website		60	1								14			
2															
3															
4															
5															
SUB-TOTAL SLT:															15
Final Assesment			%	Face-to-Face (F2F)								NF2F Independent Learning for Assessment (Asynchronous)			
				Physical				Online/ Technology-mediated (Synchronous)							
1	Quiz		30	1								3			
2	Group Assignment - Report		10	1								6			
3															
4															
5															
SUB-TOTAL SLT:															11
SLT for Assessment:															26
GRAND TOTAL SLT:															120
A	% SLT for F2F Physical Component: [Total F2F Physical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]														37.50
B	% SLT for Online & Independent Learning Component: [(Total F2F Online + Total Independent Learning) / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]														62.50
C	% SLT for All Practical Component: [% F2F Physical Practical + % F2F Online Practical]														
C1	% SLT for F2F Physical Practical Component [Total F2F Physical Practical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]														
C2	% SLT for F2F Online Practical Component [Total F2F Online Practical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]														
Please tick (v) if this course is Industrial Training/ Clinical Placement/ Practicum using 50% of Effective Learning Time (ELT)															
Note:															
* Indicate the CLO based on the CLO's numbering in Item 8															
** For ODL programme: Courses with mandatory practical requiremnets imposed by the programme standards or any related standards can be exempted from complying to the minimum 80% ODL delivery rule in the SLT.															
11	Identify special requirement or resources to deliver the course (e.g., software, nursery, computer lab, simulation room etc)			MS Expression Web 4 Visual Studio Code Visual Studio Adobe Dreamweaver®											

12	References (include required and further readings, and should be the most current)	<p>Essential Reading Deitel, P., Deitel, H. and Deitel, A. (2012). Internet and World Wide Web: How to Program. 5th ed. Revised, USA:Pearson. ISBN: 0132151006, 9780132151009</p> <p>WDean, J. (2018). Web Programming with HTML5, CSS, and JavaScript. USA:Jones & Bartlett Learning. ISDN: 1284091791, 9781284091793</p> <p>Further Reading W3Schools Online Web Tutorial (2022). Available at: http://www.w3schools.com (Accessed: 22 August, 2022)</p> <p>* Note: Older references are indispensable and have no substitute as of Q3 2022.</p>
13	Other additional information (if applicable)	
Note: Number of PLO indicated is purely for illustration purposes only and the number is subjected to the curriculum design.		