UNIVERSITI TEKNOLOGI MARA
CSC574: DYNAMIC WEB APPLICATION DEVELOPMENT

Course Name (English)	DYNAMIC WEB APPLICATION DEVELOPMENT APPROVED
Course Code	CSC574

MQF Credit	3

Course Description	The course introduces the students to web programming. It covers, among others, mark-up language, client-side scripting and server-side scripting.

Transferable Skills	- Critical Thinking and problem-solving Skills - Communication Skills - Teamwork Skills - Information Management and Life Long Learning

Teaching Methodologies	Lectures, Lab Work, Discussion

CLO	CLO1 Constructs practical skills in dynamic web application development CLO2 Identify scientific skills in dynamic web application development CLO3 Demonstrate in autonomous learning dynamic web application development

Pre-Requisite Courses	No course recommendations

Topics

1. Introduction To Internet
1.1) History of the Internet
1.2) Uses of the Internet
1.3) WWW and other Internet Application
1.4) Intranet Application

2. Introduction To HTML
2.1) Overview
2.2) Effective HTML Page
2.3) Elements, Attributes, Character References & Comments
2.4) Lengths, Dates & Times

3. HTML Structure I
3.1) HTML Version Information
3.2) The Document Head & Body
3.3) HTML Structure Bodies
3.4) HTML Structure: Text
3.5) HTML Structure: List
3.6) HTML Structure: Table

4. HTML Structure II
4.1) Links, Objects & Images
4.2) Alignment & Font Style
4.3) Forms

5. Introduction To Client-Side Scripting
5.1) Variable & Syntax
5.2) Logical structures
5.3) Looping
5.4) User defined Functions
5.5) Working with Web Pages
5.6) Properties

6. Advanced Javascript Features
6.1) 1.Functions
6.2) 2.String Handling
6.3) 3.Built-in Objects and Methods
6.4) 4.Arrays
6.5) 5.Form Handling
6.6) 6.Using innerHTML

7. Introduction To Server-Side Scripting (PHP)
7.1) 1.Server Side Scripting 1 (Decision structure, Iteration control structure,User define function)
7.2) 2.Server Side Scripting 2 (Testing and configuration, Redirecting and formatting)
7.3) 3.Server Side Scripting 3 (Array, Multidimensional Array)

8. Working with Data in PHP
8.1) 1.Basic MySQL
8.2) 2.RDBMS
8.3) 3.MySQL with PHP
8.4) 4.Execute queries
8.5) 5.Session and Cookies

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Written Assignment	20%	CLO2
	Group Project	1 Group Project	20%	CLO2
	Individual Project	1 Individual Project	10%	CLO3
	Lab Exercise	Submit in lab	20%	CLO1
	Quiz	Quiz	10%	CLO2
	Test	Test 1	10%	CLO2
	Test	Test 2	10%	CLO2

Reading List	Recommended Text	• Gopalan, Adikesavan 2014, *Web Technology: A Developer's Perspective, PHI Learning*, PHI Learning Pvt. Ltd. • Welling, Luke, and Thomson, Laura 2016, *PHP and MySQL Web Development,*, 5th Ed., Pearson Education • Jon Duckett 2014, *Web Design with HTML, CSS, JavaScript and jQuery Set*, Wiley • Frain, Ben 2015, *Responsive Web Design with HTML5 and CSS3*, 2nd Ed., Packt Publishing Ltd
	Reference Book Resources	• Sebesta, 2014, *Programming the World Wide Web*, 7th Edition Ed., Pearson Education
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	