UNIVERSITI TEKNOLOGI MARA

CSC318: WEB APPLICATION DEVELOPMENT

Course Name (English)	WEB APPLICATION DEVELOPMENT `APPROVED`
Course Code	CSC318

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	Knowledge in Specific Area – Content. Practical Skills. Social skills, teamwork and responsibilities. Critical Thinking and Problem-solving Skills.

Teaching Methodologies	Lectures, Lab Work

CLO	CLO1 Describe the importance of Internet technologies with full potential of its capabilities. CLO2 Build web pages using Mark-up language, Client-Side scripting and Server-Side scripting for efficient user interaction. CLO3 Compose an intranet and internet website.

Pre-Requisite Courses	No course recommendations

Topics
1. 1.Introduction To Internet I 1.1) History of the Internet 1.2) Uses of the Internet 1.3) WWW and other Internet Application 1.4) Intranet Application
2. 2.Introduction to Internet II 2.1) Internet Service Provider 2.2) Connecting to Internet 2.3) How Data Travels Through Internet 2.4) Protocols
3. 3.Introduction To HTML 3.1) Overview 3.2) Effective HTML Page 3.3) Elements, Attributes, Character References & Comments 3.4) Lengths, Dates & Times
4. 4. HTML Structure I 4.1) HTML Version Information 4.2) The Document Head & Body 4.3) HTML Structure Bodies 4.4) HTML Structure: Text 4.5) HTML Structure: List 4.6) HTML Structure: Table
5. 5. HTML Structure II 5.1) Links, Objects & Images 5.2) Alignment & Font Style 5.3) Forms
6. 6. Multimedia On The Web 6.1) Adding Image, Audio, Video, Animation & Virtual Reality on a Web

7. 7. Introduction To Client-Side Scripting 7.1) Concept of Client-Side Scripting 7.2) How Does Client-Side Scripting Work?
8. 8. Basic Client-Side Scripting 8.1) Variable & Syntax 8.2) Using Client-Side Scripting Arrays 8.3) Built-In Methods 8.4) Logical Structures 8.5) Looping 8.6) String-Handling 8.7) Functions 8.8) Creating Objects in Client-Side Scripting 8.9) Regular Expressions
9. 9. Advanced Client-Side Scripting 9.1) Date & Time Objects 9.2) Math Objects
10. 10. Introduction To Server-Side Scripting 10.1) How does a Server-Side Page Work 10.2) Introduction to Server 10.3) Server-Side Requirements
11. 11. Intrinsic Server-Side Object 11.1) The Response Object 11.2) The Request Object 11.3) The Application & Server Objects 11.4) The Session Object

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Test	Assessment 4	20%	CLO1
	Final Test	Assessment 4	20%	CLO3
	Group Project	Assessment 3 : Develop simple system that have function of add, edit, view and delete info.	10%	CLO3
	Group Project	Assessment 3 : Develop simple system by using HTML	10%	CLO2
	Individual Project	Assessment 1 : Personal web site	7%	CLO2
	Individual Project	Assessment 1: Personal website	8%	CLO3
	Test	Assessment 2 : Test	10%	CLO1
	Test	Assessment 2: Lab Test (HTML)	15%	CLO2

Reading List	Recommended Text	• Deitel 2018, *Learning PHP, MySQL & JavaScript*, 5 Ed., 26, O'Reilly Media, Inc, USA Sebastopol, United States [ISBN: 9781491978917]
	Reference Book Resources	• Max Bramer 2015, *Web Programming with PHP and MySQL : A Practical Guide*, 1 Ed., Springer International Publishing AG Cham, Switzerland [ISBN: 9783319226583] • John Dean 2018, *Web Programming With HTML5, CSS, And Javascript*, 1 Ed., Jones and Bartlett Publishers, Inc Sudbury, United States [ISBN: 9781284091793] • Mike O'Kane 2018, *A Web-Based Introduction to Programming: Essential Algorithms, Syntax, and Control Structures Using PHP, HTML, and MySQL*, 4 Ed., 16, Carolina Academic Press, 2018 USA [ISBN: 9781531002749] • Larry Sanchez 2019, *Web Programming With Html, Css, Bootstrap, Javascript, Jquery, Php, and Mysql*, 2 Ed., Createspace Independent Publishing Platform [ISBN: 9781089565772]
Article/Paper List	This Course does not have any article/paper resources	
Other References	• Website *W3SCHOOLS* http://www.w3schools.com/	