

UNIVERSITI TEKNOLOGI MARA CSC574: DYNAMIC WEB APPLICATION DEVELOPMENT

| Course Name (English) | DYNAMIC WEB APPLICATION DEVELOPMENT APPROVED | | | |
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| Course Code | CSC574 | | | |
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| MQF Credit | 3 | | | |
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| Course Description | The course introduces the students to web programming. It covers, among others, mark-up language, client-side scripting and server-side scripting. | | | |
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| Transferable Skills | - Critical Thinking and problem-solving Skills - Communication Skills - Teamwork Skills - Information Management and Life Long Learning | | | |
| | 0 0 | | | |
| Teaching Methodologies | Lectures, Lab Work, Discussion | | | |
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| 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 | | | |
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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 Functions5.5) Working with Web Pages
- 5.6) Properties

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6. Advanced Javascript Features

- 6.1) 1.Functions6.2) 2.String Handling6.3) 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

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| 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, <i>PHP and MySQL</i> Web Development,, 5th Ed., Pearson Education | | | |
| | | Jon Duckett 2014, Web Design with HTML, CSS, JavaScript and jQuery Set, Wiley | | | |
| | | Frain, Ben 2015, <i>Responsive Web Design with HTML5 and</i> CSS3, 2nd Ed., Packt Publishing Ltd | | | |
| | Reference Book Resources | Sebesta, 2014, <i>Programming the World Wide Web</i> , 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 | | | | |

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