PROPOSE SCHEME OF WORK
CSC318 – WEB APPLICATION DEVELOPMENT

WEEKS	TOPIC AND SUB-TOPIC	CONTACT HOUR	ADDITIONAL INFO
1	**Introduction To Internet** • History of the Internet • Uses of the Internet • WWW and other Internet applications • Intranet application • Internet Service Provider • Connecting to Internet • How data travels through the Internet • Protocols	4	
2	**Introduction to HTML** • Overview • Effective HTML page • Elements, Attributes, Character References and Comments • Lengths: Dates and Times	4	
3-4	**HTML Structure** • HTML version Information • The document head & body • HTML structure bodies • HTML Structure: Text • HTML Structure: List • Alignment & Font Styles • Links • Table • Objects & Images • Adding image, audio, video, animation & virtual reality on the Web	8	Project 1 & 2
5	**HTML Form** • Labels & Controls • Input Elements, Dropdown List, Text Area • Using Fieldsets	4	

6	**Client-side Scripting vs. Server-side Scripting** • Introduction to client-side scripting ○ #Language used: JavaScript	4	
	Introduction to Client-Side Scripting • Variable and Syntax • Comments • Keywords • Variables & Data Types • Escape Sequences • Output Operations	4	Submit Project 1
7-9	**Basic of Client-Side Scripting** • Operators, Expressions, and Evaluation • Mathematical Built-in Methods & Constants • Formatting Numbers • String-Handling & String Methods • Logical Structures • Repetition Structures (Loops) • Functions • Working with DOM • Built-in Objects • Array	12	**TEST 1**
10	**Form Enhancement** • Document Properties • Form Properties • Event Handlers ○ Eg. onClick, onLoad, onFocus, onBlur	4	

11-14	**Introduction to Server-Side Scripting**
	• How does a server side page work
	• Introduction to Server
	    ○ #Web Server used: Apache
	• Server-Side Scripting requirements
	    ○ #Language used: PHP
	Server-Side Scripting
	• Adding server-side scripts into a Web page: inline or intersperse
		16	**TEST 2**

			Submit Project 2

	Built-in Server-Side Objects I
	• The Response Object
	• The Request Object
	• The Session Object
	Built-in Server-Side Objects II
	• The Application & Server Objects
	• Using Form Object
	Accessing Server-Side with Database Object
	• Introduction to Database
	    ○ #Tool used: MySQL
	• Accessing server-side with database object
	    ○ SQL statement include SELECT, UPDATE, INSERT & DELETE
	    ○ Database connection		

Note: # - Subject to change. Please refer to Lecturer In Charge in your campus.

ASSESSMENT:
- Final Examination : 40%
- Course Work : 60%
  - ➢ Test 1 & 2 : 20%
  - ➢ Quizzes : 5%
  - ➢ Project 1 (Individual) : 10%
  - ➢ Project 2 (Group) : 25%