MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Web Design**			**Module Delivery**	
Module Type	**E**			☒ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☒ **Seminar**	
Module Code	**CET4107**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level	4		**Semester of Delivery**	7	
Administering Department	CET		**College**	EECT	
Module Leader	Dr. Mahmoud Shuker Mahmoud		**e-mail**	mahmoud.shukur@mtu.edu.iq	
Module Leader's Acad. Title	Assist. Professor		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Dr. Mohanad Ahmed Mezher		**e-mail**	mohanad.ahmed1@mtu.edu.iq	
Peer Reviewer Name	Dr. Osama Abbas Hussein		**e-mail**	osama.abbas@mtu.edu.iq	
Scientific Committee Approval Date	13/06/2023		**Version Number**	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	1. This course will introduce students to the realm of web design. : page composition, XHTML, CSS, web design and code validation. 2. Students will cover the Web design/development process. 3. Topics covered include basic and enhanced site structure, local and remote site management, and optimization of Web-site performance. 4. Provides appropriate knowledge to web servers and browsers of the internet and network communication.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Be able to use the HTML programming language, Resolves written HTML codes, Runs the page he/she has designed using HTML codes 2. Create an Information Architecture document for a web site, 3. Construct a web site that conforms to the web standards of today and includes e-commerce and web marketing. 4. Publish the website to a remote server using FTP. 5. Perform regular web site maintenance (test, repair and change). 6. Uses Domain Name and services 7. Be able to make changes on the Site. 8. Updates on the site when needed 9. Be able to use the Design Programs. 10. Designs and publish websites.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. Part A – Web Designer Specific skills would be design-tools-of-choice, HTML, CSS, and light JavaScript., [10 hrs] Front End Developer. focused on HTML, CSS, JavaScript, and light backend work. The lack of "designer" concepts beyond the core technologies, for instance regression testing or performance. [10 hrs] Technology specific job titles "JavaScript Developer" or "JavaScript Engineer" for a job where that is primarily what needs to be done., [10 hrs] UI Designer, light on HTML and CSS skill, A synonym might be a Visual Designer. [10 hrs] UX Designer, studying and researching how people use a site. Then ushering changes

	for the better through the system and testing the results, [5 hrs] Part B – internet Architecture and publishing Interaction Designer, Primarily design, just like a UI Designer, but with specific focus on how things are used and moved. [10 hrs] Web Developer, This job is focused on back end work and working with languages specific to the web, like PHP, ASP, Ruby, Python, etc. Medium skill in database/server work [10 hrs] Full Stack Developer. The structural design of websites like the taxonomies, metadata, scheduling, and analysis of content. A synonym might be Information Architect. [8 hrs]

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The course will combine guided core reading, a series of short individual tasks, synchronous and asynchronous discussions, group working, resource sharing and hands -on experience on website development. Tutor support will be provided throughout the course. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving Designing that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	74	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	76	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.4
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1-8
	Assignments	2	10% (10)	2, 12	LO # 1-9
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 1-10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-4
	Final Exam	4hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	**Introduction to HTML :** Introduction to Internet programming, HTML language, Description and running through IE, How to write codes in HTML?, Headings, titles. The body in HTML language, background colors, pages and breaks
Week 2	**Lists & Tables in HTML language :** Ordered list and unordered list, creating table, table attributes and features, **Images :** Images , Combining paragraphs with table and images.
Week 3	**Forms in HTML I :** Command buttons, Textboxes and text areas, Checkboxes and
Week 4	**Forms in HTML II :** Select lists in Forms, combining Forms with images and tables, Introduction to dynamic programming, client side versus server side
Week 5	**Client-Side Programming and Server-Side Programming :** Client-Side Programming and Server-Side Programming, JavaScript, What is JavaScript, What JavaScript can do?, What JavaScript can't do?, The Script Tag, Handling older browsers, JavaScript Statements, Script statement execute, JavaScript data types, Variables, Data type conversion, browser events.
Week 6	**Arithmetic Operators :** Arithmetic operators, Comparison operators, Examples and solutions, **Control Structures (if statement, if-else statement), Loops (for loop), Functions, Function parameters**
Week 7	**Window and Document objects :** Window and Document objects, the window object, creating window, properties and methods: window.status, window.alert, window.confirm, window.prompt
Week 8	**Forms and Form elements :** Forms and Form elements, creating a form, form properties, text object,

	form object button object, checkbox object, Radio object, Select object,
Week 9	Test 2: functions, forms and dates , Passing form data to functions, Submitting forms, Strings, Math and Date, Examples and solutions
Week 10	**Images and dynamic HTML : Images and dynamic HTML, the image object, interchanging images, prechaching images, creating image rollover, Examples and solutions.** **The String object (in detail), Examples and solutions**
Week 11	**The events:** The event object, Event handler, Event properties, Window event-handler, layer event handler, mouse event handler, other event handlers
Week 12	**Global functions:** Global functions and statements, eval(), escape(), isNaN(), number(), parsefloat(), parseInt(), string(), unescape(), unwatch(), watch()
Week 13	**Data-Entry : Data-Entry validation, isEmpty(), isNumber(), isInteger(), isPosInterger** **Test 3: Images, Strings, and Global functions String : The String object, Examples and solutions**
Week 14	JS frameworks
Week 15	
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: Introduction Xhtml language
Week 2	Lab 2: web page design , opening, saving
Week 3	Lab 3: text, font design implementation
Week 4	Lab 4: color, image, implementation .
Week 5	Lab 5: list, groups, page division
Week 6	Lab 6: forms , linking pages, meta function ,hyperlink
Week 7	Lab 7: publishing and linking page with internet.

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	**The Complete Internet and World Wide Web Programming Training course** Author : Harry M.Deitel, Paul J. Deitel, Tom Nieto Edition & Year public : Prentice Hall PTR,2000	Yes
Recommended Texts	Java script : the definition Guide, **Author :**David Flanagan, O'Reilly Media **Edition & Year public :** 5th edition , 2006	No
Websites	https://www.coursera.org/browse/physical-science-and-engineering/web	

Grading Scheme
مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	**A** - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX** – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.