



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Web Design		Module Delivery	
Module Type	Core		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	CYS231			
ECTS Credits	4			
SWL (hr/sem)	100			
Module Level	2	Semester of Delivery		1
Administering Department	Dept. of Cybersecurity		College	College of Information Technology
Module Leader	Dr. Ahmad AlSabhany		e-mail	Ahmad.alsabhany@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Prof.		Module Leader's Qualification	Ph.D.
Module Tutor	Dr. Ahmad AlSabhany		e-mail	Ahmad.alsabhany@uofallujah.edu.iq
Peer Reviewer Name	Dr. Senan Ali Abd		e-mail	senan.a.abd@uofallujah.edu.iq
Scientific Committee Approval Date	25-5-2026		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 Objectives أهداف المادة الدراسية	1. Develop a solid understanding of the architecture, technologies, and components that underpin modern web systems and the World Wide Web. 2. Understand the principles of web communication, including web servers, web browsers, HTTP requests and responses, domain names, and DNS records. 3. Design and develop static websites using HTML, CSS, and introductory JavaScript. 4. Create structured, accessible, and visually appealing web pages incorporating text, images, multimedia, navigation systems, forms, and interactive user interface components. 5. Apply modern web design principles, including responsive design, usability, and cross-device compatibility. 6. Develop practical skills in website layout design and front-end implementation using industry-standard web technologies and tools. 7. Design and implement complete static websites that meet functional and user experience requirements. 8. Prepare students for advanced study in Web Application Development, Open Source Web Development, and secure web technologies.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Explain the architecture and components of modern web systems, including web servers, web browsers, HTTP, and DNS. 2. Develop static web pages using HTML, CSS, and introductory JavaScript. 3. Design structured web interfaces incorporating text, images, multimedia, navigation elements, and forms. 4. Apply responsive web design principles to create websites that function effectively across different devices and screen sizes. 5. Implement common user interface components, including menus, tabs, sliders, and interactive page elements. 6. Utilize web development tools and standards to create maintainable and well-structured websites. 7. Evaluate website usability, accessibility, and user experience using established design principles. 8. Develop and deploy a complete responsive static website that satisfies specified functional and design requirements.
Indicative Contents	● Introduction to Web Technologies and the World Wide Web

المحتويات الإرشادية	• Web Browsers, Web Servers, and Website Architecture • HTTP Requests and Responses • Domain Names and DNS Records • Website Structure and Front-End Development Fundamentals • HTML Document Structure and Semantic Elements • Text Formatting, Hyperlinks, and Navigation • Images, Audio, Video, and Multimedia Content • Tables, Lists, and Content Organization • Forms and User Input Controls • Cascading Style Sheets (CSS) Fundamentals • CSS Selectors, Properties, and Styling Techniques • Page Layout Design and Positioning • CSS Flexbox and Grid Layout Systems • Responsive Web Design Principles • Bootstrap Framework and Responsive Components • Navigation Bars, Menus, and Hamburger Navigation • Cards, Tabs, Sliders, and Common User Interface Components • Introduction to JavaScript and Client-Side Scripting • Event Handling and Interactive Web Elements • Website Usability, Accessibility, and User Experience Principles • Static Website Development and Deployment • Web Design Best Practices and Industry Standards
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The module is delivered through lectures, laboratory sessions, practical web development exercises, and project-based learning activities. Students develop web design skills through the creation of progressively more complex static websites using HTML, CSS, Bootstrap, and introductory JavaScript. Real-world examples and case studies are used to demonstrate modern website design principles, responsive layouts, and user experience considerations. Laboratory activities emphasize hands-on website development, testing, and deployment, enabling students to design complete web interfaces and prepare for advanced web application development.

Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	37	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	2
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	100		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Assignments	2	10% (10)	5 and 10	All
	Quiz	1	10% (10)	4	LO #1 - #3
	Quiz (Lab.)	1	10% (10)	9	LO #4 - #6
	Project	1	10% (10)	13	All
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO #1 - #3
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to Web Technologies, Web Architecture, and HTTP
Week 2	Domain Names, DNS Records, Web Servers, and Website Structure
Week 3	HTML Fundamentals and Semantic Elements
Week 4	Hyperlinks, Navigation, Tables, Lists, Images, and Multimedia
Week 5	Forms and User Input Controls
Week 6	CSS Fundamentals, Selectors, and Styling
Week 7	CSS Layouts, Flexbox, and Grid Systems
Week 8	Midterm Examination

Week 9	Responsive Web Design Principles
Week 10	Bootstrap Framework and Responsive Layouts
Week 11	Navigation Bars, Cards, Menus, and User Interface Components
Week 12	Tabs, Sliders, and Interactive Web Components
Week 13	Introduction to JavaScript and Client-Side Scripting
Week 14	Event Handling and Dynamic Web Page Elements
Week 15	Static Website Design, Deployment, Review, and Final Preparation
Week 16	Introduction to Web Technologies, Web Architecture, and HTTP

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Creating Basic HTML Pages, Document Structure, and Semantic Elements
Week 2	Text Formatting, Headings, Lists, Hyperlinks, and Navigation
Week 3	Tables, Images, Audio, Video, and Multimedia Integration
Week 4	Forms, Input Controls, and Form Validation
Week 5	Building a Multi-Page Static Website Using HTML
Week 6	CSS Fundamentals: Selectors, Colors, Fonts, and Styling
Week 7	CSS Layout Design, Flexbox, and Grid Systems
Week 8	Midterm Practical Assessment
Week 9	Responsive Web Design and Mobile-Friendly Layouts
Week 10	Bootstrap Grid System and Responsive Layouts
Week 11	Bootstrap Components: Navigation Bars, Forms, Buttons, and Cards
Week 12	Advanced Bootstrap Components: Tabs, Accordions, Modals, and Sliders
Week 13	JavaScript Fundamentals and DOM Manipulation
Week 14	Event Handling, Interactive Elements, and Hamburger Menus
Week 15	Complete Responsive Website Development, Testing, and Presentation
Week 16	Project Seminars

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?

Required Texts	1. Duckett, J. (2024). HTML and CSS: Design and Build Websites. Wiley. 2. Duckett, J. (2024). JavaScript and jQuery: Interactive Front-End Web Development. Wiley.	Yes
Recommended Texts	1. Robson, E., & Freeman, E. (2024). Head First HTML and CSS (3rd ed.). O'Reilly Media. 2. Nixon, R. (2024). Learning PHP, MySQL & JavaScript (7th ed.). O'Reilly Media. 3. Gruner, E. (2024). Bootstrap 5 Foundations. Packt Publishing.	Yes
Websites	1. https://www.w3schools.com/html/default.asp 2. https://www.w3schools.com/css/default.asp 3. https://www.w3schools.com/js/default.asp 4. https://getbootstrap.com/	

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.				