

Module (Course Syllabus) Catalogue 2023-2024

College/ Institute	College of Erbil Technical Engineering	
Department	Department of Information System Engineering	
Module Name	Web Design	
Module Code	WED304	
Degree	Technical Diploma <input type="checkbox"/> Bachler <input checked="" type="checkbox"/> High Diploma <input type="checkbox"/> Master <input type="checkbox"/> PhD <input type="checkbox"/>	
Semester	Semester three	
Qualification	M.Sc. in information system engineering	
Scientific Title	lecturer	
ECTS (Credits)	6	
Module type	Prerequisite <input type="checkbox"/> Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>	
Weekly hours		
Weekly hours (Theory)	(2)hr Class	(62)Total hrs Workload
Weekly hours (Practical)	(2)hr Class	(62)Total hrs Workload
Number of Weeks	15	
Lecturer (Theory)	Dina Yousif Mikhail	
E-Mail & Mobile NO.	Dina.mikhail@epu.edu.iq	
Lecturer (Practical)	Niyaz Muhamad Salih	
E-Mail & Mobile NO.	niyaz.salih@epu.edu.iq	
Websites		

Course Book

<p>Course Description</p>	<p>This subject is listed in the Third course class syllabus as a fundamental term that gives the students the important skills designing static web pages.</p>				
<p>Course objectives</p>	<p>To understand the concept of Web Application Design.</p> <ul style="list-style-type: none"> • To understand and practice web page designing techniques. • To understand and practice embedded dynamic scripting on client side Internet Programming. • To understand the differences between client side & server side technologies to develop Web Application 				
<p>Student's obligation</p>	<ul style="list-style-type: none"> • Attendance to lectures is obligatory according to the University Rules. • Any given assignment must be worked out by the student himself. • Cheating is a religious and ethical crime and any case of cheating will be treated according to the university rules. <p>The students must complete of all tests, exams.</p>				
<p>Required Learning Materials</p>	<p>1- Present the lecture by PowerPoint slides using data show 2-White board 3- Note Book 4- Book</p>				
<p>Evaluation</p>	<p>Task</p>		<p>Weight (Marks)</p>	<p>Due Week</p>	<p>Relevant Learning Outcome</p>
	<p>Paper Review</p>				
	<p>Assignments</p>	<p>Homework</p>	<p>5%</p>		
		<p>Class Activity</p>	<p>2%</p>		
		<p>Report</p>			
		<p>Seminar</p>	<p>5%</p>		
		<p>Essay</p>			
	<p>Project</p>	<p>5%</p>			
<p>Quiz</p>		<p>8%</p>			

	Lab.	10%		
	Midterm Exam	25%		
	Final Exam	40%		
	Total	100%		
Specific learning outcome:	<ol style="list-style-type: none"> 1. design static websites that meet specified needs and interests. 2. select appropriate HTML code from public repositories of open-source and free scripts that enhances the experience of site visitors. 3. write well-structured, easily maintained HTML code following accepted good practice. 4. Learn the language of the web: HTML and CSS.. 5. Develop basic programming skills using Javascript. 			
Course References:	<p>1-HTML5 Notes for Professionals Free HTML5 Book (goalkicker.com)</p> <p>2-CSS Notes for Professionals Free CSS Book (goalkicker.com)</p> <p>3-JAVASCRIPT NOTES FOR PROFESSIONALS Free JavaScript Programming Book (goalkicker.com)</p> <p>4-W3Schools Online Web Tutorials</p>			
Course topics (Theory)	Week	Learning Outcome		
Introduction to course materials, basic of web development.	1	Give the students a brief introduction about the subject of Web Development.		
Hypertext Mark-up Language Basics, Editors, structure of HTML, Elements, Tags and Attributes.	2	Teach the students how to use web Browsers , Editors, Elements, Tags and Attributes.		
Text Formatting and adding colour, Introduction to Lists: Ordered, unordered and definition lists	3	Teach them how to add text into web pages then edit the format of text. Be able to add lists into web pages		
Create Tables, Table Headings, Table borders, Table and cell Size, Cell attributes and Spanning Rows and Columns	4	Teach the students how to arrange the data into rows and columns by using tables. Teach them how to edit and merge the cells of table		

Adding images into web pages using Img Tag and picture Tag. Create hypertext link. Image Map	5	Make the students able to add images to web pages. Teach them how create links. Give the students idea and teach them how to make the image as a map
Introduction to the Forms1	6	Identify and Make the students familiar with the Form elements
Mid Term exam	7	
CSS-Inline Cascading Style Sheets. CSS- Internal Cascading Style Sheets. CSS- external Cascading Style Sheets.	8	Teach the students the Cascading Style Sheets. Teach them how to define internal Cascading Style Sheets. Be able to define external Cascading Style Sheets
Introduction to JavaScript, limitations of client-side scripting, JS. Output, Variables, operators	9	Give the students a brief introduction about the JavaScript, limitations of client-side scripting, JS. Output, Variables, operators
Functions, objects, Arrays	10&11	Teach them how to define Functions, create objects and arrays
events , Switch, loop for, loop while	12	Give them idea about events and teach them loop statements
Java - Classes and Objects	13	Give them idea about Classes and Objects
Final exam	14&15	
Practical Topics	Week	Learning Outcome
Hypertext Mark-up Language Basics, Editors, structure of HTML, Elements, Tags and Attributes	1&2	Teach the students how to use web Browsers , Editors, Elements, Tags and Attributes.
Text Formatting and adding colour, Introduction to Lists: Ordered, unordered and definition lists	3	Teach them how to add text into web pages then edit the format of text. Be able to add lists into web pages

Create Tables, Table Headings, Table borders, Table and cell Size, Cell attributes and Spanning Rows and Columns	4	Teach the students how to arrange the data into rows and columns by using tables. Teach them how to edit and merge the cells of table
Adding images into web pages using Img Tag and picture Tag. Create hypertext link. Image Map	5	Make the students able to add images to web pages. Teach them how create links. Give the students idea and teach them how to make the image as a map
Introduction to the Forms1	6	Identify and Make the students familiar with the Form elements
CSS- Inline Cascading Style Sheets. CSS- Internal Cascading Style Sheets. CSS- external Cascading Style Sheets.	7	Teach the students the Cascading Style Sheets. Teach them how to define internal Cascading Style Sheets. Be able to define external Cascading Style Sheets
Introduction to JavaScript, limitations of client-side scripting, JS. Output, Variables, operators	8	Give the students a brief introduction about the JavaScript, limitations of client-side scripting, JS. Output, Variables, operators
Mid Term exam	9&10	
Functions, objects, Arrays	11&12	Teach them how to define Functions, create objects and arrays
events , Switch, loop for, loop while	13	Give them idea about events and teach them loop statements
Java - Classes and Objects	14	Give them idea about Classes and Objects
Final exam	15&16	

Questions Example Design

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Q1/ Draw sketch to explain how Web servers work?

Q2/Fill the following blanks:

- 1-.....reads the .html file, interprets the code and displays the page.
- 2-WWW is only a subset of the.....
- 4- To publish and deliver information on the web you need a
- 5- Most schemes include the And
- 6-..... Allows interaction between user and web server

Q3/ To create form we use method attribute, method attribute has two values”

1-what are these two values?

2- which value is the best and why?

Q4/Mention which tag you use for the following operations?

1-select user information to create form

2-design Hotspots in image map

3-insert a single line break

4-break the textual information on a page and inserts a single line space, which is useful for defining and separating paragraphs.

5-draw line across window

6-Dropdown List form

7-define the most important heading

8-add site's name and short description

9-define an external resource

10-add image

Extra notes:

External Evaluator

External Evaluator:

I confirm that the syllabus and content of this course book is sufficient and fulfilment for the lesson of “Web Development” for the second stage of department “Information System Engineering” students, and it covers the requirements of students to have enough knowledge in this field.

Signature

DR. Shahab Wahab Karim

