(Web Design) Course Catalogue

College	**Erbil Technology Institute**
Department	**ICTE**
Module Name	**Web Design**
Module Code	**WEP303**
Semester	**5th**
Credit	**6**
Module type	**Core**
Weekly hours	**12**	
Weekly hours (Theory)	**(4) hr Class**	**(161) hr Workload**
Weekly hours (Practical)	**(8) hr Class**	**( ) hr Workload**
Lecturer (Theory)	**Soran Abdulrahman Hamad**
E-Mail	**Soran.hamad@epu.edu.iq**
Lecturer (Practical)	
Email	**MS.Naila, MS.Bayan, MS.Shawnm**

Course Book

-**Course overview:**

This course is designed to start student on a path toward future studies in web development and design, no matter how little experience or technical knowledge they currently have. The web is a very big place, and if you are the typical internet user, you probably visit several websites every day, whether for business, entertainment or education. But have you ever wondered how these websites actually work? How are they built? How do browsers, computers, and mobile devices interact with the web? What skills are necessary to build a website? With almost 1 billion websites now on the internet, the answers to these questions could be your first step toward a better understanding of the internet and developing a new set of internet skills.

- **Course objective:**

By the end of this course students be able to describe the structure and functionality of the world wide web, create dynamic web pages using a combination of HTML, CSS, and JavaScript, apply essential programming language concepts when creating HTML forms, select an appropriate web hosting service, and publish your webpages for the world to see. Finally, students be able to develop a working model for creating their own personal or business websites in the future and be fully prepared to take the next step in a more advanced web development or design course or specialization.

- **Student's obligation**

Disguise lectures or exams will not be given except in case of a serious emergency. If student must miss a lecture or an exam, even if students are sick or injured, you or someone must contact the lecturer before the lecture or exam. Student must show evidence that student is physically unable to take the lectures or the exam, such as a clearly worded doctor's note, before the exam. No disguises will be granted for personal reasons such as travel, hardship, to ease exam week schedules, or leisure. No student will be permitted to take an exam early.

Homework consists of weekly programming assignments done individually and submitted electronically from the course Lab. Programs will be graded on "external correctness" (behaviour) and "internal correctness" (style, design, and compliance to web standards). A final project in this course would be designed to test student ability to implement a well-designed web page given instructions that are underspecified when compared to homework assignments. It would test student ability to perform web development in a natural environment.

- **Forms of teaching**

lecture halls with data show equipment for lecture presentations, white board, overhead projector, posters

- **Assessment scheme**

6% Mid. Theory exam

10% Mid. practical exam

4% Quiz

40% Activity

25% final practical

15% final theory

- **Specific learning outcome:**

- Be able to use the HTML programming language.
- Resolves written HTML codes.
- Runs the page he/she has designed using HTML codes.
- Be able to use the Design Programs.
- Uses Microsoft Expression Web 4 programmer.
- Designs site and page via Microsoft Expression Web 4 programmer.
- Uses the program Web Page Maker.

- **Course Reading List and References:**

- Jon Duckett " HTML & CSS: design and build websites"
- www.w3schools.com
- Timothy Boronczyk, Elizabeth Naramore, Jason Gemer, Yann Le Scouarnec, Jeremy Stolz, Michael K. Glass "Beginning PHP6, Apache, MySQL: Web Developmet"
- Adrian W. West "Practical PHP and MySQL: website Databases"
- Jon Duckett " PHP & MySQL: Server-Side Web Development"

▪ Useful references:
▪ Magazines and review (internet):

17. The Topics:	12 Weeks	Lecturer's name
Course overview and Careers in Web Technologies and job roles	1	Soran Hamad (2 hrs)
Introduction to Web Technologies How the Website Works? What is Markup Language Basic Structure of HTML Difference Between HTML and XHTML Head Section and Elements of Head	2	
Client and Server Scripting Languages Domains and Hosting Basic tags of HTML Text Formatting, Colors, Images Lists. Ordered, unordered and definition lists, Links, Image Map	3-4-5	
Tables, Frames, Forms CSS- Cascading Style Sheets.	6	
Inline, Internal and External Style Sheet	7	
CSS - Selector Type, Values, Common Properties CSS Fonts, Colors and Backgrounds, Boxes	8	
CSS- Boarders, Positioning, Table layout Client side scripting. Dynamic HTML	9-10	
Responsive Web Designing	11	
Types of Websites (Static and Dynamic Websites) o Web Standards and W3C recommendations	12	

8. Practical Topics (If there is any)	12 Weeks	
Web page structure. Basic elements, tags and attributes. Your first web page. Text formatting.	1	1- Soran Hamad (2 hrs)
Links. Absolute and relative links. Internal and external links. Colors. Images. Image maps.	2	
Using HTML tags and attributes	3	
Building HTML Forms	4	
Designing and Building web templates	5	
Using CSS to make beautiful design Css Tags Script Tag Table Tag	6-7	
Div Tag , Header Tags , Paragraph, Span, Pre Tags , Anchor Links and Named Anchors , Image Tag , Object Tag	8-9-10	
Publishing web site. Transfer files and folders to a server via	11	

19. Examinations:

Q1/ Mention basic web programming languages design with example?

Q2/ Write HTML code to create the below diagram?

Text input fields

First name:
John

Last name:
Doe

Q3/ Define the following terms?
1- WWW. 2- TAG 3- HTML 4- CSS 5- PHP

Q4/ Circle the right answer?

1: which of the following tag is used to mark a beginning of paragraph? **A.** <TD> **B.** **C.** <P> **D.** <TR>	2: HTML stands for? **A.** Hyper Text Markup Language **B.** High Text Markup Language **C.** Hyper Tabular Markup anguage **D.** None of these
3: What does PHP stand for? A. Personal Home Page B. Hypertext Preprocessor C. Pretext Hypertext Processor D. Preprocessor Home Page	4: What should be the correct syntax to writ a PHP code? A. < php > B. < ? php ?> C. <? ?> D. <?php ??>

	20. Extra notes:
	Note: in the section 19. Examinations: i wrote the other questions and answers, especially in the questions (1, 2), of-course it will be about the web programming but like this, and this is just for example.
	21. Peer review

	This course book has to be reviewed and signed by Zanyar Shwan Ahmed Asst. Lecturer/ ICTE department. After reviewing, this course book is convenient because it has covered all necessary subjects that should be taught to second year student.