

**Course description:**

This course gives Students basic web authoring including the use of design tools, CSS, HTML, testing and verification, and JavaScript.

Aims of the course:

The main objective of this course is to give students the basics of Client-side Web Programming technologies.

Intended Learning Outcomes: (ILOs)

- A. Understand the origins of computer and World Wide Web.
- B. Be able to design web pages using HTML5.
- C. Recognize Cascading Style Sheet (CSS3) concepts.
- D. Being able to integrate CSS3 into HTML5 environment.
- E. Understand the Java Script concepts and employ it into the web page designing.

Course structures:

Week	Credit Hours	ILOs	Topics	Teaching Procedure	Assessment methods
1,2	6	A	Chapter one: Introduction to Computers and the Internet <ul style="list-style-type: none"> • Introduction. • The internet in industry. • HTML5, CSS3 JAVASCRIPT. • Evolution of internet. • Web Basics. • Client side scripting versus server side scripting. • Web 2.0: going social. 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
3,4,5	9	B	Chapter two: Chapter 2 Introduction to HTML5 <ul style="list-style-type: none"> • Understand basic component of HTML5 • Add images to web pages 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file

			<ul style="list-style-type: none"> • Creating and using of hyperlinks • Freedom of Expression • Creating tables • Using forms 		
6,7	6	B	Chapter Three: Introduction to HTML5: Part 2 <ul style="list-style-type: none"> • Building forms using new HTML5 input types • Using self-validating input elements • Specifying placeholder element • Using Auto complete element • Using of Data lists 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
8,9	6	C	Chapter Four: Introduction to Cascading Style Sheets (CSS): Part 1 <ul style="list-style-type: none"> • Control web site appearance using style sheets and using them to give all web pages same look and feel • Using of Class attribute to apply styles • Specifying of different elements formats like, font size, color, type, backgrounds and colors 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
10,11	6	D	Chapter Five: Introduction to Cascading Style Sheets (CSS): Part 2 <ul style="list-style-type: none"> • Working with other 	Presentation methods and techniques, Sources of information and	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam

			formatting elements like: text shadows, rounded corners, shadow to elements, etc. . . .	Instructional Aids	c) 2nd Exam d) Activity file
12	3	E	<ul style="list-style-type: none"> • Animation; Selectors • Media Queries • Web Resources 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
13	1	E	Chapter Six: JavaScript: Introduction to Scripting <ul style="list-style-type: none"> • Write simple java script programs • Use input and output statements • Use arithmetic concepts 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
13	2	E	Chapter Seven: JavaScript: Control Statements, Part 1 <ul style="list-style-type: none"> • Use if and if ... else selection statements • Use the While repetition statement • Implement counter-controlled repetition and sentinel-controlled repetition • Use increment, decrement and assign operators 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
14	3	E	Chapter Eight: JavaScript: Control Statements, Part 2 <ul style="list-style-type: none"> • Use the for and Do ... While repetition statements to execute statements in a 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file

			program repeatedly <ul style="list-style-type: none"> • Perform multiple selection using switch selection statement • Use the break and continue program-control statement 		
15	3	E	Chapter Nine: JavaScript: Functions <ul style="list-style-type: none"> • Using Functions • Pass information between functions 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file
16	3	E	Chapter Ten: JavaScript: Arrays <ul style="list-style-type: none"> • Using Arrays • Storing lists and tables in arrays. • Pass arrays to functions • Search and sort arrays 	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Ist Exam c) 2nd Exam d) Activity file

References:

A. Main Textbook:

(Dietel & Dietel)," Internet & World Wide Web: How to Program", Pearson Education, 5th edition, 2011.

Assessment Methods:

Methods	Grade	Date
First Exam	20%	
Second Exam	20%	
Assignments (Reports /Quizzes/ Seminar / Tutorials)	10%	
Final Examination	50%	

