



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. Be able to design web pages using HTML5.**
- B. Recognize Cascading Style Sheet (CSS3) concepts.**
- C. Being able to integrate CSS3 into HTML5 environment.**
- D. Understand the Java Script concepts and employ it into the web page designing.**

Course structures:

Week	Credit Hours	ILOs	Topics	Teaching Procedure	Assessment methods
1,2,3	9	A	Chapter two: Chapter 2 Introduction to HTML5 <ul style="list-style-type: none"> Understand basic component of HTML5 Add images to web pages Creating and using of hyperlinks Freedom of Expression Creating tables Using forms 	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) mid Exam c) final Exam d) labs(1,2,3)
4,5	6	A	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 	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) mid Exam c) final Exam d) labs(4,5)

			element <ul style="list-style-type: none"> • Using Auto complete element • Using of Data lists 		
6,7	6	B	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) mid Exam c)final Exam d) labs(6,7)
8,9	6	C	Chapter Five: Introduction to Cascading Style Sheets (CSS): Part 2 <ul style="list-style-type: none"> • Working with other formatting elements like: text shadows, rounded corners, shadow to elements, etc. . . . 	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) mid Exam c)final Exam d) labs(8,9)
10	3	D	<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) mid Exam c)final Exam d) labs(10)
11,12	6	D	Chapter Six: JavaScript: Introduction to Scripting <ul style="list-style-type: none"> • Write simple java script programs 	Presentation methods and techniques, Sources of information and Instructional	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) mid Exam c)final Exam

			<ul style="list-style-type: none"> • Use input and output statements • Use arithmetic concepts 	Aids	d) labs(11)
13	3	D	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) mid Exam c)final Exam d) labs(12)
14	3	D	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 program repeatedly • Perform multiple selection using switch selection statement • Use the break and continue program-control statement 	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) mid Exam c)final Exam d) labs(,13,14)
15	3	D	Chapter Nine: JavaScript: Functions <ul style="list-style-type: none"> • Using Functions • Pass information between functions • Use the new HTML5 audio and video elements 	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) mid Exam c)final Exam d) labs(15)

16	3	D	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) mid Exam c)final Exam d) labs(16)
----	---	---	--	---	--

References:

A. Main Textbook:

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

Assessment Methods:

Methods	Grade	Date
Labs	30%	
Mid Exam	20%	
Final Examination	50%	