

ITEC-344 Web Design

General Information

Course Code	ITEC-344	Level/Year	6 th /3 rd	Required (R)/Selected Elective (SE)			SE
Credit Hours	Theory	2	Lab	1	Total	3	
Prerequisites	Nil						
Course Coordinator	Dr. Mohammed Eltahir						

Course Description

This web design course will teach the students the fundamentals of web design and how to create and maintain web pages using various techniques, tools. Web design courses cover topics such as HTML5, CSS3, JavaScript, page layout, text formatting, graphics, and content management systems. Web design courses aim to help students develop high quality web sites that work seamlessly on different devices and browsers.

Course Objectives

- Recognize and understand HTML5 web page elements
- Understand and apply effective web design principles
- Incorporate forms into web pages
- Understand and apply the use of content management system and Web Graphics in Websites.

Course Contents

List of Topics	Weeks
Chapter 1: Introduction to Web design	1,2
Chapter 2: HTML5	3, 4, 5
Chapter 3: HTML5 form features	5, 6, 7
Chapter 4: JavaScript I	8, 9, 10
Chapter 5: JavaScript II	10, 11, 12
Chapter 6: Content Management Systems (CMS)	13, 14,15

Textbook

Learning Web Design 5th Edition 2018: by Jennifer Niederst Robbins, Publisher: O'Reilly ISBN: 978-1-449-31927-4

Reference Materials

WordPress Web Design for Dummies: by Lisa Sabin and Wilson 2nd edition 2013. Publisher: John Wiley and Sons ISBN: 978-1-118-54637-6

Course Learning Outcomes

CLO	Description	Level of Learning (LoL)	Mapped PI
CLO#01	Understand the basic concepts concerning web designing and explain the basic principles of web design, describes the modern technologies used in web design process.	Knowledge	PI 1.1
CLO#02	Recognize HTML5, JavaScript and CMS for web page structure, presentation and behaviour respectively	Comprehension	PI 1.3

CLO#03	Explain the client and front-end technologies to implement a web page and web applications.	Comprehension	PI 2.1
CLO#04	Utilize creative ideas with clients, establish design guidelines and standards	Evaluating	PI 1.3
CLO#05	Design multimedia rich elements and interactive applications through programming or scripting language, particularly for the Web.	Applying	PI 2.3
CLO#06	Demonstrate the ability to work in a group considering collaborative tasks, communication skills, and ethical aspects.	Comprehension	PI 3.2

CLO-SO-PI Mapping

	SOs					
CLO s	SO1	SO2	SO3	SO4	SO5	SO6
CLO#01	PI 1.1	-	-	-	-	-
CLO#02	PI 1.3	-	-	-	-	-
CLO#03	-	PI 2.1	-	-	-	-
CLO#04	PI 1.3	-	-	-	-	-
CLO#05	-	PI 2.3	-	-	-	-
CLO#06	-	-	PI 3.2	-	-	-

Approvals

Prepared by Course Coordinator	Dr. Mohammed Eltahir		
Approved by Track Leader		TL Signature	
Last updated	August 18, 2024		