Course Name: Electiv-1(Web Design)   **Course Code: ITEC344**

General Information						
Course Code	**ITEC-344**	**Level/Year**		**Required (R) / Selected Elective (SE)**		**R**
Credit Hours	**Theory**	**2**	**Lab**	**1**	**Total**	**3**
Prerequisites	**ITEC342**	**Course Coordinator**		**Dr. Mohammed Eltahir**		
Corequisites	**None**	**Track Leader**		**Dr. Nadim Rana**		

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 and 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: On completion of the course, the student will be able to:
• 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 systems and Web Graphics on Websites.

Course Contents

List of Topics	Weeks
Ch 1: Introduction to Web design	1,2
Ch 2: HTML5	3, 4, 5
Ch 3: HTML5 form features	5, 6, 7
Ch 4: JavaScript I	8, 9, 10
Ch 5: JavaScript II	10, 11, 12
Ch 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: Lisa Sabin and Wilson 2nd edition 2013. Publisher: John Willey and Sons ISBN: 978-1-118-54637-6

Course Learning Outcomes			
CLO	**Description**		**Mapped PI**
CLO#01	**Understand** the basic concepts concerning web designing and explain the basic principles of web design, describe the modern technologies used in web design process.		Knowledge
CLO#02	**Recognize** HTML5, JavaScript and CMS for web page structure, presentation and behavior respectively		Comprehension
CLO#03	**Explain** the client and front-end technologies to implement web pages and web applications.		Comprehension
CLO#04	**Utilize** creative ideas with clients, establish design guidelines and standards		Evaluating
CLO#05	**Design** multimedia rich elements and interactive applications through programming or scripting language, particularly for the Web.		Applying
CLO#06	**Demonstrate** the ability to work in a group considering collaborative tasks, communication skills, and ethical aspects.		Comprehension

CLO-PI-SO Mapping

	SO-1	**SO-2**	**SO-3**	**SO-4**	**SO-5**	**SO-6**
CLO#01	PI 1.1	-	-	-	-	-
CLO#02	PI 1.3	-	-	-	-	-
CLO#03	-	PI 2.1	-	-	-	-
CLO#04	PI 1.3	-	PI 3.1	-	-	-
CLO#05	-	PI 2.3	-	-	-	-
CLO#06	-	-	PI 3.2	-	-	-