

Course Name	WEB TECHNOLOGIES		Course Code	ITEC-342		
Credit Hours	3		Contact Hours	Lec	Lab	Total
				2	2	4
Offered as	☐ University Requirement ☐ College Requirement ☒ Program Requirement ☒ Core ☐ Elective ☒ ITEC ☐ COMP ☐ CNET					
Level	5		Prerequisite	NIL		
Course Description: This course is an overview of the modern Web technologies used for the Web development. The purpose of this course is to give students the basic understanding of how things work in the Web world from the technology point of view as well as to give the basic overview of the different technologies. The topics include: Introducing WWW, Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS), Web Security. We will follow the guidance of the World Wide Web Consortium (W3C) to create interoperable and functional websites.						
Upon completion, the student will be able to: • Learning about basics of internet and web architectures. • Understanding security challenges in Web Technologies • Analyze a web page and identify its elements and attributes. • Designing and Creating web pages using HTML and Cascading Styles sheets (CSS). • Implement a variety of strategies and tools to create websites.						
Assessment Methods	☒ Mid-term Exam	15%	☒ Mini project	15%	☒ Assignment	10%
	☒ Lab Assignment	10%	☒ Final Lab Exam	10%	☒ Final Theory Exam	40%
Text Book: • Michaud, Foundations of Web Design: Introduction to HTML & CSS, 1/e, 2014, Pearson, ISBN-10:0321918932 ISBN-13: 9780321918932						
References: • Castro & Hyslop, HTML and CSS: Visual QuickStart Guide, 8/e, 2014, Pearson, ISBN-10: 0321928830 ISBN-13: 9780321928832 • World Wide Web Consortium (W3C) standards and architectures through: http://www.w3.org/standards/webarch/						