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/