Name of the course	Code	Term	T+P	Credit	ECTS
Web Programming			3+0	3	4

Prerequisites and co-requisities	

Language of the course	Turkish
Type of the course	Technical Elective
Course Coordinator	
Name of Lecturers	
Assistants	
Aim and goals of the course	Show students to the techniques used in programming web pages for interactive content.
Course Learning Outcomes	**Upon successful completion of the course, the students will be able to :** 1. understand basic web technologies (HTML, CSS stylesheets). 2. understand the use of event-driven programming in Javascript. 3. use AJAX tools to build web pages that connect to servers. 4. write their own server-side code to provide access to a database.
Contents of the course	HTML and CSS. HTML Form Creation. PHP Language: Variables and Constants. PHP Language: Operators, Decision Making. PHP Language: Cyclic, Function Definition. MySQL with PHP. XML with PHP. RSS with PHP. JavaScript and DOM. HTML Form Creation with Ajax. Database with Ajax. XML with Ajax. RSS with Ajax.

Weeks	Subjects
1	Introduction: The Internet and World Wide Web, Web languages / technologies
2	Basic HTML and Elements, Basic CSS, Page sections, CSS box model
3	Floating, Positioning, More layout, Intro to PHP
4	More PHP syntax, Embedded PHP, PHP functions, File I/O
5	HTML forms, GET/POST, Uploading files, Form validation, Regular expressions
6	Object-oriented PHP, More regular expressions, Intro to JavaScript
7	Document Object Model (DOM), Timer events, Global DOM objects
8	MIDTERM EXAM
9	Unobtrusive JS, Walking the DOM tree, Events
10	Client-side validation, Ajax
11	XML, SQL
12	web services, Web 2.0 and Scriptaculous (a javascript library)
13	Object-oriented JavaScript
14	Sessions and cookies, Web security
15	FINAL EXAM

General Qualifications
Evaluations take into account the fact that students can develop websites using web programming languages and

standards.
References
1. Stepp, M. Miller, J. and Kirst, V. 2009; Web Programming Step by Step, 552 p.
Evaluation
Midterm Exam: % 40, Final Exam: % 60. Project or homework evaluations can be made at the beginning of the semester.