



**University/Academy:** Arab Academy for Science and Technology & Maritime Transport  
**Faculty/Institute:** College of Computing and Information Technology  
**Program:** B. Sc. In Computer Science

<b>Course title</b>	Web Programming
<b>Course code</b>	CS333

### Form no. (11A)

## Knowledge and skills matrix for a course

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Introduction to web programming	1	Understand what open-source software is. know the difference between client-side and server-side web programming.	Understand the basics of web programming & web editing tools		<ul style="list-style-type: none"> <li>Design efficient web pages</li> </ul>
HTML : general introduction – basic tags	2	Understand basic HTML tags			
HTML5 : Tags	3	Understand new basic HTML5 tags		Write HTML5 files without using web generation tools.	
CSS Selectors	4	Identify the type of CSS selectors	Able to use HTML effectively		
CSS Properties	5	Identify the properties of CSS (Font-Background-		Create web site using HTML and CSS	

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
		Box model-position)			
Basic of Java Script	6	Know the syntax rule of javascript	Implement efficient code using Javascript	Develop dynamic web pages using JavaScript.	Use advanced tools to create better webpages
7 <sup>th</sup> week exam	7				
Java Script Objects	8	Know the basic objects of JavaScript	Know the limitations of HTML, and Javascript.	Use JavaScript in Building web sites	
Document Object Model	9	Understand DOM			
DHTML	10	Identify the methods to create DHTML pages			
Basics of PHP	11	Know the basics of PHP	Learn the concepts of using PHP	Install and administer an Apache Web Server in a UNIX environment.	Use PHP library
12 <sup>th</sup> week exam	12				
PHP and MYSQL	13	Understand how to connect PHP with MYSQL database	Understand the possibilities and limitations of connecting PHP to MySQL Databases	Use PHP to develop dynamic web sites Access a MySQL Database from a PHP script.	<ul style="list-style-type: none"> <li>Be able to run a webserver</li> </ul>
PHP and file I/O	14	Understand how to read and write files using PHP			
Review & Project submission	15				

**Course Instructor**

**Head of Department**

