



Programme of Module "Programmazione Per Il Web"		
<ul style="list-style-type: none"> • Code: I1I024 • Type of course unit: Compulsory (Laurea in Ingegneria dell'Informazione curriculum Informatica) • Level of course unit: Undergraduate Degrees • Semester: 2 		
Number of ects credits: (Laurea in Ingegneria dell'Informazione) 6 (workload 150 hours)		
Teachers: Serafino Cicerone		
1	Course objectives	The main objective of the course is to allow students to develop web applications. Applications can be thin-client (application logic at the server) or fat-client (part or all of the application logic on the client) to maximize user interaction. To achieve this aim the course provides in-depth study of basic knowledge (physical architecture, http protocol), focuses on both technologies/issues related to the server side (php, state persistence, mysql) and client-side technologies (css, dom, javascript, jquery). Finally, topics related to software engineering (design principles, MVC pattern) are discussed.
2	Course content and learning outcomes (dublin descriptors)	<p>Topics of the module include:</p> <ul style="list-style-type: none"> • HTTP • Markup languages, HTML, URL • Web Server, Apache • PHP • DBMS, MySql • PHP: state persistence, cookie, sessions • Architectural principles, MVC pattern • Template Engines, Smarty • Cascading Style Sheets (CSS) • Javascript • AJAX • jQuery
3	Course prerequisites	"Object Oriented Programming", "Data Bases", "Computer networks"
4	Teaching methods and language	<p>Lectures and exercises</p> <p>Language: Italian</p> <p>Reference textbooks</p> <ul style="list-style-type: none"> • n/a, <i>n/a.</i>
5	Assessment methods	Grading: project 80%, oral examination 20%