

Implementation plan Finished

Study unit	Dynamic Web Applications (A9151), 5.0
Implementation	CCA1611: 1/2016-2017 (29.08.2016 - 23.12.2016)
Type	ADVANCED WEB DEVELOPMENT (A842)
Groups	Primary: CCA16SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum: 35
Enrolment period	16.05.2016 08:00 - 31.05.2016
Main timing for implementation	On working days during daytime
Applicability	For exchange students: Yes For elective studies: No Open UAS student: Yes Suitable for virtual UAS: No
Teachers	Stenberg Mika (Teacher in charge)
Campus	Laurea Leppävaara
Main location for implementation	At the campus
Implementation method	Optima realization/student group Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	Technological competence and entrepreneurship (FUAS)
Evaluation at the latest	23.01.2017 Storing of graded material ends.: 23.12.2017
Exam days	
Having completed the study unit the student is able to	The student is able to: • identify the role of client-side web technologies and explain how they deliver value • compare the features, benefits and applicability of major client-side web technologies available in the market • set up a development environment associated with a selected client-side web technology • design, develop and implement dynamic and interactive websites using a selected client-side technology
Previous studies	
Previous studies, more information	Basic knowledge of HTML and CSS are required in order to participate this course.
Contents	PART I: JavaScript Basics PART II: Using Js with Forms PART III: Dom Scripting with JS PART IV: Asynchronous JavaScript (AJAX) PART V: Introduction to jQuery Framework

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	PART VI: Storing and retrieving data, caching content PART VII: Integrating API's PART VIII: Using Angular JS to extend HTML & JS PART IX: Testing JavaScript with Mocha Framework (if there is time)
Study material	-JSBooks online -Learn JavaScript on GitHub
Tutoring and communication	Lectures are held in english. Tutoring and guidance is available also in finnish.
Evaluation criteria and methods	The grade consists of:1) Attending the workshops 2) Completing the 3 small project works during the course3) Final Exam