

Implementation plan Finished

Study unit	The Server-side of Web Applications (A9152), 5.0
Implementation	CCA1521: 2/2015-2016 (21.01.2016 - 02.06.2016)
Type	ADVANCED WEB DEVELOPMENT (A842)
Groups	Primary: CCA15SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	30.11.2015 08:00 - 07.12.2015
Main timing for implementation	On working days during daytime
Applicability	For exchange students: No For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	De Arruda Camara Antonius (Teacher in charge), Stenberg Mika (Other teacher)
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	No connection to focus areas
Evaluation at the latest	23.07.2016 Storing of graded material ends.: 23.06.2017
Exam days	
Having completed the study unit the student is able to	The student is able to: • install and configure database and web servers in a local computer • design, develop and implement relational databases • implement server-side web scripts using a selected scripting language • implement server-side web scripts that interact with a relational database • develop and demonstrate interactive web applications using a selected server-side technology
Previous studies	
Previous studies, more information	Fundamentals of programming, Basics of SQL
Learning objectives	During this course students will be introduced to the landscape of server-side web development technologies in a practical approach. Guided workshops will lead students to implement scripts that interact with databases and cloud based services.
Contents	MySQL, Relational Databases, SQL CRUD operations, PHP, Node.js, NoSQL databases, MEAN stack
Study material	The following books will be used as a reference throughout the course. These books are available as e-books via Laurea's library service: MEAN web development Haviv, Amos Link to electronic version (EBL): http://www.laurea.ebilib.com/patron/FullRecord.aspx?p=1706428 Practical PHP and MySQL Website Databases: A Simplified Approach West, Adrian W.

Implementation plan Finished

	Link to electronic version (EBL): http://www.laurea.ebib.com/patron/FullRecord.aspx?p=1694190
Tutoring and communication	Guided workshops: hands-on script developmentOptima for sharing material and general communication
Evaluation criteria and methods	Evaluation will be based on:- Programming tasks (home assignments)- Exam covering the student's conceptual understanding of the techonologies and techniques learned during the course.
Other arrangements	Although the teaching language in the course is English, Finnish speaking students can communicate with teachers in Finnish and also return assignemnts/exam in written Finnish