

Implementation plan Finished

Study unit	Web App Development with MEAN (R0314), 5.0
Implementation	CCA1621: 2/2016-2017 (09.01.2017 - 20.06.2017)
Type	WEB DEVELOPMENT (R057)
Groups	Primary: CCA16SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	28.11.2016 08:00 - 09.12.2016
Main timing for implementation	
Applicability	For exchange students: No For elective studies: No Open UAS student: No 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	Service business
Evaluation at the latest	20.07.2017 Storing of graded material ends.: 20.06.2018
Exam days	
Having completed the study unit the student is able to	The student is able to - describe the fundamentals of MEAN stack and how web developers can benefit from it - install and configure a MEAN stack development environment - design, develop and implement Node.js web applications - implement server-side web scripts using Express.js framework - implement server-side web scripts that interact with a relational and/or NoSQL database
Previous studies	
Previous studies, more information	The students should have completed the following courses or have corresponding skills on the following subject areas: - Basics of programming - Basics of HTML/CSS/JavaScript - Dynamic Web Applications (with JavaScript)
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.
Study material	The following books can 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.ebib.com/patron/FullRecord.aspx?p=1706428
Tutoring and communication	Workshops and material are in english. Guidance is available also in finnish.Guided workshops: hands-on script developmentOptima for sharing material and general communication
Evaluation criteria and methods	Evaluation will be based on:- Programming tasks- Exam covering the student's conceptual understanding of the technologies and techniques learned during the course.

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