

Implementation plan Finished

Study unit	Web App Development with PHP/SQL (R0315), 5.0
Implementation	CCA1621: 2/2016-2017 (27.01.2017 - 28.04.2017)
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	According to student's own schedule
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	De Arruda Camara Antonius (Teacher in charge)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	LbD supporting knowledge and skills development
Focus areas	No connection to focus areas
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 • develop and implement interactive web applications using PHP and relational databases • use the PHP programming language to implement server-side scripts that interact with a relational database • use online collaborative tools to build and deploy PHP based web applications • manage the deployment process of PHP based web applications
Previous studies	
Previous studies, more information	First year Tiko/BIT ICT courses: Fundamentals of programming (any language), Basics of relational databases and SQL, Foundations of web development (HTML, CSS, Bootstrap). Students should have an own computer to install the development environment and do the development work. Students should arrange an own web hosting environment to deploy their project application
Learning objectives	During this course students will learn how to develop PHP based web applications that interact with relational databases. The learning process will be based on a personal PHP/SQL web app project. Students can freely decide the purpose/topic of the project. Besides learning how to use PHP and SQL, students will also learn to configure a development environment with XAMPP, Eclipse, and Github (version control). Students will also learn how to deploy a PHP/SQL web app to a web hosting environment and get their apps live on the internet.
Contents	• Basic programming with PHP (No Object-Orientation) • Relational Databases: design, SQL, MySQL • Eclipse IDE with PHP plugins • Github for version control • Deploying a PHP/SQL web app to a hosting environment
Study material	Besides the material provided by the teacher during the contact sessions, students can make use of a diverse range of resources available from Laurea's online library and other online tutorials.
Tutoring and communication	Optima. Lectures and course material are in English. Finnish students (Tiko) can return

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	material in Finnish and can communicate with the teacher in Finnish.
Evaluation criteria and methods	Evaluation will be based on the outcomes of the student's personal project (PHP/SQL web application). There will be no exams.
Other arrangements	Attendance to the first contact session is compulsory. Students that do not attend the first contact session and don't inform the teacher in advance will be removed from the course. The unused study-places will then be offered to students that are on the enrolments' waiting list. Attendance to other contact sessions is not compulsory and it is optional. Contact sessions will be offered to support students' learning process (theory, workshops, development environment, personal project).