

Implementation plan Finished

Study unit	Planning and implementing SOA solutions using Oracle (A0115), 10.0
Implementation	NIA1421: 2/2014-2015 (07.01.2015 - 19.06.2015)
Type	DEVELOPMENT OF CORE COMPETENCES IN THE FIELD (A030)
Groups	Primary: NIA13SN Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	01.12.2014 08:00 - 07.12.2014
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: Open UAS student: No Suitable for virtual UAS:
Teachers	Rathod Paresh (Teacher in charge), De Arruda Camara Antonius (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Language: English Virtuality: cr Integration of R&D: cr
Implementation class	
Focus areas	
Evaluation at the latest	20.07.2015 Storing of graded material ends.: 20.06.2016
Exam days	
Having completed the study unit the student is able to	• explain the basic concepts of Service Oriented Architectures and related technology using Oracle SOA Suite • work with the components of SOA Suite • create and deploy Web Services with Oracle SOA Suite - Develop a Java Web service • modify a BPEL process to invoke a Web service • deploy and execute an BPEL Process to Oracle SOA Suite • manage and monitor an BPEL Process • configure Oracle Enterprise Service Bus(ESB) services • integrate services through Adapters • define Oracle rules and observe their behaviour - Transform messages in ESB and BPEL • secure a BPEL process and services • work with components of Oracle Web Services Manager (OWSM)
Previous studies	Service Oriented Architecture (SOA):Principles of Service Design
Study material	Printed material will be loan to students during study offering
Tutoring and communication	Regular workshops for concept learning and Hands-On practice at NEON lab.
Evaluation criteria and methods	More information will be provided during study offering
Work strain	About 270 working hours of student learning