

Implementation plan Finished

Study unit	Planning and implementing SOA solutions using Oracle (A0115), 10.0
Implementation	NIA1221: 2/2012-2013 (07.01.2013 - 21.06.2013)
Type	DEVELOPMENT OF CORE COMPETENCES IN THE FIELD (A030)
Groups	Primary: NIA11SN Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	26.11.2012 08:00 - 02.12.2012
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	Rathod Paresch (Teacher in charge), De Arruda Camara Antonius (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Other method of implementation, Project/venture/R&D Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	
Evaluation at the latest	20.07.2012 Storing of graded material ends.: 20.06.2013
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

Learning events

Date	o'clock/at h	Subject	Content	Status	Teachers
29.01.2013	10-15	Introduction to study unit	The course starts on Tuesday, 29th January, at 10:00. The detailed course agenda will then be updated on the course's Optima space.	182	Antonius De Arruda Camara, Paresch Rathod
12.02.2013	9 - 11.30	Workshop	Workshop - Chapter 2: Introducing Service-Oriented Architecture Concepts	182	Antonius De Arruda Camara
19.02.2013	9 - 11.30	Workshop	Workshop - Chapter 3: Getting Started with Oracle SOA Suite 11g	182	Antonius De Arruda Camara
19.02.2013	12.30-16.30	Lab work	Lab Work - 03	NEON Lab	Paresch Rathod

**Implementation plan Finished**

26.02.2013	12.00-16:30	Lab work	Lab Work - 03	NEON Lab	Paresh Rathod
05.03.2013	9.00-11.30	Workshop	Workshop - Chapter 4: Building SOA Composite Applications	182	Paresh Rathod
05.03.2013	12.00-16:30	Lab work	Lab Work - 04	NEON Lab	Paresh Rathod
12.03.2013	9 - 11.30	Workshop	Workshop - Chapter 5: Orchestrating Services with BPEL Process Components	182	Antonius De Arruda Camara
12.03.2013	12.00-16:30	Lab work	Lab Work - 05	NEON Lab	Paresh Rathod
19.03.2013	12-16.30	Lab work	Lab work - 05	NEON Lab	Paresh Rathod
26.03.2013	9.30-11.30	Lab evaluation part-1	Lab evaluation part-1 (Covering all topics until Lab 05)	NEON Lab	Paresh Rathod
26.03.2013	12.30-16:30	Lab evaluation part-1	Lab evaluation part-1 (Covering all topics until Lab 05)	NEON Lab	Paresh Rathod
02.04.2013	09:00 - 11:30	Workshop	Workshop Chapter 6		
02.04.2013	12.30-16:30	Lab work	Lab work - 06	NEON Lab	
09.04.2013	12.30-16:30	Lab work	Lab work - 06	NEON Lab	
16.04.2013	09:00 - 11:30	Workshop	Workshop Chapter 7		
16.04.2013	12.30-16:30	Lab work	Lab work - 07	NEON Lab	
23.04.2013	12.30-16:30	Lab work	Lab work - 07	NEON Lab	
30.04.2013	09:00 -11:30	Workshop	Workshop Chapter 8		
30.04.2013	12.30-16:30	Lab work	Lab work - 08	NEON Lab	
07.05.2013	12.30-16:30	Lab work	Lab work - 08	NEON Lab	
14.05.2013	09 - 16.30	Lab evaluation part-2	Lab evaluation part-2(Covering Lab 06-08)	NEON Lab	
21.05.2013	12.30-16:30	Final Lab Evaluation	For those students who have failed in one of previous lab evaluation	NEON Lab	