

Óbuda University– Alba Regia Technical Faculty		<i>Institute of Engineering</i>	
Subject name and code: AMIAPAKTND –ABAP Programming		Credit: 3	
<i>Full time course 2014/15 Academic Year</i>		<i>Semester:1</i>	
Training Programs running this course: Engineering Informatics BSc			
Subject leader.	Dr. Orosz Gábor Tamás	Teachers:	Dr. Orosz Gábor Tamás Dr. Rádai Levente
Prerequisites:			
Lectures: 1	Practices: 0		
Measuring points:	midterm mark based on lecture tests and midterm tests		
Course program			
<i>Learning objectives: to introduce the students to the SAP ABAP Programming through knowing the Netweaver Architecture and Development tools, the major elements of ABAP from data element to database, from the selection screens to views, transport system and processes through the system landscape, scheduling, transactions, reports and forms.</i>			
<i>Performing the course, the student will be able to develop basic ABAP programs and data structures and place them into the proper system.</i>			
Topics (Lectures and Laboratories)			Hours
SAP Netweaver Architecture. ABAP Workbench, Development Environment. Logon to SAP ERP and navigation.			1+2
System Architecture. ABAP programs. Databases. Repository.			1+2
ABAP Workbench tools.			1+2
ABAP syntax and command set.			1+2
Creating ABAP program. Procedural programming. Interaktive list. Events. Exeptions. Authorisation.			1+2
Complex data objects. Structures. Inner tables. Selection Screen, Messages. Reports.			1+2
Data dictionary. Database table. Views. Dialogs.			1+2
Job scheduling, BDC folder. Extensions. Exits, Badi.			1+2
Modularisation. ALV. Transactions.			1+2
Program evaluation. Performance.			1+2
Forms: Sap Script, Smart Form, Adobe Form			1+2
RFC			1+2
BAPI			1+2
ALE/IDOC			1+2
Measuring and Grading			
Maximum number of missed lectures and laboratories:		3 times	
Supplement midterm exams:	According to the Training and Exam Regulations		
Requirements of Teacher's Signature	Laboratory Attendance is compulsory. Supplements of attendance according to the Training and Exam Regulations, Average result of weekly tests at least 50%. Submission of Practical assignments according to the deadlines.		
Grading (Midterm mark): 0-50% Fail, 51% Pass, 61% Satisfactory, 71% Good, 81% Excellent as following average result of weekly tests gives 33% average result of midterm assignments gives 33% result of exam gives 34%			

Compulsory literature:	SAP UAP ABAP package
-------------------------------	----------------------

Recommended
literature:

SAP ABAP, SAP Press

Valid from 7th of January, 2015 until further modification