

Business Consulting Master

Title	Adapting Standardsoftware with ABAP and Java			
Lecturer	Dipl. Informatiker (FH) Thomas Dreyer			
Schedule	2 nd Semester	4 SWS	6 credits	Elective Subject
Workload	Total 180 h	Prececnce 60 h	Preparation and after-work 100 h	Examination and preparation 20 h
Level	Computer Science: medium Business Administration: high Basic Skills: medium Key Qualifications: high			
Prerequisites	None			
Learning Objectives	<ul style="list-style-type: none"> • Understanding the ERP-Framework and Architecture • Knowing about Software-Engineering relating to ERP-Systems • Understanding the special features of multiple ERP-Solutions (MS Navision, Oracle E-Business Suite, SAP R/3, ERP 2004) • Knowing Self-employed development of SAP-R/3 programs (ABAP/JAVA) <ul style="list-style-type: none"> • transaction of a business-project • including the assessment of customer's request • including groupwork developing of software 			
Content	<ul style="list-style-type: none"> • Characterise ERP-Systems • Categorise the ERP-Framework • Tools and Methods for ERP Software-Engineering • Various process models of ERP Software-Engineering • Programming within an ERP-System • Special qualities of the SAP R/3-System • The SAP R/3 business process model • Introduction in the development environment of SAP R/3 • Software development with ABAP/4 regarding to SAP R/3 • Software development with Java regarding to SAP R/3 • Classification when to use ABAP/4 and Java • Tools and Methods for Software-Engineering in SAP-R/3 • Traps and pitfalls 			
Recommended Textbooks	<ul style="list-style-type: none"> • Kretschmer, R.; Weiss, W.: <i>Developing SAP's R/3 Applications</i>, Sybex 1996 • Moser, G.: <i>SAP R/3 interfacing using BAPIs</i>, Vieweg 1999 • Krüger, S.; Seelmann-Eggebert, J.: <i>ABAP Best Practices</i> Galileo Press 2005 • Heuvelmans, W.; Krouwels, A.; Meijs, B.; Sommen, R.: <i>Enhancing the Quality of ABAP Development</i>, SAP Press 2004 • <i>Sams Teach Yourself ABAP/4 in 21 Days</i> – free book http://freebooks.by.ru/view/Abap4in21day/index.htm 			
Teaching Methods	Lecture Exercises Handout-Workshop			
Grading	<ul style="list-style-type: none"> • Written examination • Programming exercise 			