

t.SWP - Software-Pakete

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| Person responsible for the course: | Pietro Brossi, brpi |
| Credits: | 4 |
| Valid for: | 2011/2012 |
| Last saved: | 22.03.2012 20:07 |

Learning objectives:

The student will:

- learn and understand the different methods of modern project management that are applicable for standard software packages and can apply them in practice, based on conceptual planning and practical trainings sessions
 - have a basic understanding and a fundamental overview of the commercial software market, integrated SWsolutions, SOA and frameworks as well as middleware concepts/systems
 - be in the position to analyze basic performance parameters in implementation projects and can judge costs, manpower estimates and related project management issues
 - learn how to conduct a comprehensive software evaluation, to rate integrated solutions and to compare different vendors and their software packages
 - be able to administrate project documentation, time planning and resource tracking
 - understand the value of standardization, interfaces and open source components as well as compatibility issues between different vendors, software packages and systems
 - be able to formulate related project requirements, RFPs and to present evaluation results on management level
 - conduct meetings with vendors, system suppliers and small project teams
 - learn the basics about legal issues, contract management and sourcing (on-shore/off-shore, in-sourcing and out-sourcing), as well as vendor, inventory and asset management
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Course content:

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Lectures:

Basics about software packages:

- fundamentals of Corporate Application Infrastructures, EAI, Enterprise Computing & Middleware in context with SW-projects
- SW-evaluation process and criteria factors
- complex ICT-projects: Planning, organization and control/management of CRM / ERP / B2B / B2C / e-Commerce solutions
- Planning, organization, introduction and solution concepts for turn-key systems/software projects
- Options and limitations, concepts in practical situations
- Resource & time planning based on practical examples from real business cases

Practical work/labs:

- a) Transformation of theoretical knowledge into concepts and practical project-plans.
 - b) Work with sample project documentation to run their own project during a semester.
 - c) From business-case, resource planning, budgeting and cost estimates to a real RFP and planning of the related implementation in an enterprise.
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d) Running an evaluation project based on a given business-case.

Previous knowledge:

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Teaching method:

| Type of lesson: | Number of lessons per week: |
|--------------------|-----------------------------|
| Lecture | 14*2 |
| Tutorial/Practicum | 7*4 |
| Group teaching | |
| Block instruction | |
| Seminar | |

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

| Number | Type | Weighting |
|--------|--------------------------|-------------------|
| 1 | End of term exam | 70% |
| 2 | Exam during the semester | 15% |
| 1 | Further assessments | 15% semester work |

Language of instruction:

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Instruction material:

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Comments:

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