

t.SEPS - Software Entwicklungspraxis

Person responsible for the course: Hans-Peter Hutter, huhp

Credits: 4

Valid for: 2011/2012

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Learning objectives:

- Students are able to develop an OO-software using an up-to-date software development process (iterative, incremental, use case based, architecture centric)
 - They create appropriate artefacts in the different phases of the development process
 - They adequately apply analysis and design patterns.
 - They document the software development process in a standardized form where it exists (UML)
 - They optimally integrate themselves into a team.
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Course content:

- Parallel to the course SWE1 the students run in a team a project from the project scetch to implemented software product. They run through different iterations of the Unified Process:
 - * Inception: use cases
 - * Elaboration Iteration 1: analysis, design, implementation, test
 - * Elaboratoin Iteration 2: GoF patterns, state diagrams
 - * Elaboration Iteration 3: realisation
 - They use build, test, and versioning tools
 - They perform selected software management tasks:
 - * planning, monitoring, controlling
 - * presentation of their results at differen milestones
 - In addition to the technical aspects the course also promotes non-technical skills like self-orientation, team work, and communication.
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Previous knowledge:

SWE1, OOD

Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	2
Tutorial/Practicum	2
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	
	Exam during the semester	
	Further assessments	

Language of instruction:

German

Instruction material:

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Comments:

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