

t.IMI1 - Informatik für Maschinentechnik-Informatik 1

Person responsible for the course: René Klopfer, klre
Credits: 5
Valid for: 2011/2012
Last saved: 08.08.2011 08:57

Learning objectives:

The students

- have an overview of classical and modern development processes
- learn the basics of OOA and OOD and are able to proceed autonomously a simple SW project starting from specification up to an executable and tested software product and document it in UML
- use thereby basic design patterns meaningfully
- design a challenging user-interface
- design a systematic documentation parallel to the development process

Course content:

Software Requirements

- information procurement, structuring, Use Cases, Management

Visual Basic 2008

- Visual studio environment, basics of windows programming, .Net-Framework
- class design, error handling, debugging

System architecture

CATIA API

- structure and use of it
- structuring and document programs
- integrated exercises in english

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
Tutorial/Practicum	
Group teaching	14x2L
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	
1	Exam during the semester	
1	practicum report	

Language of instruction:

german

Instruction material:

978-3-8362-1171-0 Visual Basic 2008, Andreas Kühnel, Galileo Computing, 2009

Comments:

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