

t.JFF - Java für Fortgeschrittene

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

Credits: 4

Valid for: 2011/2012

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Learning objectives:

- The students have thorough knowledge in Java and its APIs at least at the level of JCP (Java Certified Programmer).
- They professionally develop Java programs.

Course content:

Part 1: Recapitulation of and elaboration on fundamental Java constructs according to JCP:

- Deklarations and Access Control
- Objekt Orientation
- Assignments and Operators
- Flow Control, Exceptions, and Assertions
- Strings, I/O, Formating und Parsing
- Generics and Collections
- Inner Classes
- Threads

Teil 2: Advanced issues:

- Class Loader
- Java-Security
- Java-Beans
- Reflection
- Serialization
- Java networking (java.net, java.rmi)
- Deployment (JRE, jar-Dateien, Java-Webstart, Obfuscator)
- Performance Tuning

Previous knowledge:

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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	50
1	Exam during the semester	50
	Further assessments	

Language of instruction:

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Instruction material:

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Comments:

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