t.CSY2 - Computersysteme 2

Person responsible for the course:	Pietro Brossi, brpi
Credits:	4
Valid for:	2010/2011
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Learning objectives:

The students

- know the basic functions, architectures and components of server systems, related peripherals and subsystems

- can assemble, operate and configure server sytems

- are in a position to rate and evaluate server architectures, storage network in regard of costs, usability and operation

Course content:

- architectures, processor variations, peripherals, RISC/CICS-systems

- type of servers, usage and area of operation, models and variation of sub-systems and peripherals

- operational concepts, interaction of hardware & operations, basics of server system-engineering

- Green-IT and IT facility-management, data centers and Grid-Computing

- NAS, SAN, archiving systems and tape-libraries incl. concept, function and operational aspects

- virtual server systems and variations/possibilities

- new technologies, developments and operational aspects

- system-tuning, performance analysis and measurement, optimizing configurations

- basics of system-engineering & data-center operation, procurement and financial models

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	
Tutorial/Practicum	
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	
2	MC-short tests during the semester	
6	points in practical trainings	

Language of instruction:

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Instruction material:

as published on OLAT for authorized users

Comments:

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