Zurich University of Applied Sciences

School of Engineering

t.TINAV - Computer Engineering for Aviation

Person responsible for the course:	Hans Käser, ksha
Credits:	2
Valid for:	2009/2010
Last saved:	31.08.2010 16:06

Learning objectives:

By the end of this course the students have a basic understanding of the configuration of micro computers and how they operate. They are familiar with the terminology and know the most important elements of Computer Engineering.

Course content:

- Numeric Systems: binary numbers, hex numbers, negative numbers, Floating Point numbers
- Codes: numeric codes, character codes, barcode
- Error detection (Parity, CRC) and correction (Block check, Hamming)
- Data compression (non-dissipative and lossy compression)
- Digital technology:
- Computer technology:

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
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	1,5
1	Exam during the semester	0,5
	Further assessments	

Language of instruction:

German

Instruction material:

A script is provided.

Comments:

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