

## t.INSYAV - Information Systems for Aviation

**Person responsible for the course:** Christof Marti, mach

**Credits:** 3

**Valid for:** 2009/2010

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### Learning objectives:

- Students know the fundamentals of computer technology necessary to write simple programs.
- They master the process of compiling a program and starting it using an Integrated Development Environment (IDE) and the command line interface (CLI).
- Students know the basic data types and the procedural constructs of a modern programming language.
- They can solve simple software problems, within the scope of a single class, by their own.
- Depending on the given situation they apply the learned procedural constructs and data types and use existing functions and classes where appropriate.

### Course content:

- Fundamentals of computer technology: components, character sets, encodings, number representation, commands and programs
- mastering the compiler and development environment
- introduction to procedural programming
- basic data types, variables and operators
- selections, logical variables
- loops
- subroutines and parameters
- arrays, single-and multi-dimensional
- strings

### Previous knowledge:

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### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
Tutorial/Practicum	14x2L
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	75
3	Exam during the semester	25
	Further assessments	

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**Language of instruction:**

Deutsch

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**Instruction material:**

Skript "Prozedurale Programmierung", H.-P. Hutter, ZHAW

Folien, Skripts zu Teilthemen, Praktikumsanleitungen in elektronischer Form

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**Comments:**

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