

## t.AVG - Basics of Aviation

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**Person responsible for the course:** Christoph Regli, regl  
**Credits:** 4  
**Valid for:** 2011/2012  
**Last saved:** 15.09.2011 15:00

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### Learning objectives:

In this course the students

- receive a comprehensive overview of aviation,
  - learn to use the correct aviation terminology,
  - are made familiar with the various key players in aviation and get a clearer picture of their future work environment,
  - know the main processes in an airport environment
  - recognise and understand the characteristics of aviation and the fundamentals of trends and developments in aviation.
  - know the basic definitions in meteorology (standard atmosphere)
  - know the basic aerodynamic concepts
  - are able to classify aircraft according to lift- and propulsion principle
  - know basic terms of aircraft anatomy
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### Course content:

The characteristics of aviation:

- The importance of aviation
  - Timeline: evolution of aviation
  - International aviation organisations and authorities
  - Processes in the airport environment
  - The National Aviation Authority (FOCA)
  - ISA standard atmosphere
  - Basic aerodynamics
  - classification of aircraft & propulsion systems
  - aircraft systems and its functions
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### Previous knowledge:

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### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*2L
Tutorial/Practicum	
Group teaching	
Block instruction	
Seminar	

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**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	80%
1	Exam during the semester	20%
	Further assessments	

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**Language of instruction:**

German

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**Instruction material:**

Script provided by the lecturer/expert as detailed on the 'BScAV' intranet.

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**Comments:**

Some lessons may be held in English. This is dual course that is also relevant for JAR-FCL 010.