

t.AVG - Basics of Aviation

Person responsible for the course: Roland Steiner, stnr

Credits: 4

Valid for: 2010/2011

Last saved: 20.09.2010 10:46

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	

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	

Language of instruction:

German

Instruction material:

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

Comments:

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