

t.AMET1 - Atmosphäre und Meteorologie 1

Person responsible for the course: Bruno Neining, nuno

Credits: 3

Valid for: 2010/2011

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Learning objectives:

The students

learn about the Earth's atmosphere and the basics of its physical features;

recognise the importance for aviation;

are able to collect and interpret information concerning the actual weather situation;

can follow the public debate on weather and climate;

use the documents for self-study;

are able to understand the English terminology.

Course content:

Introduction to the earth's atmosphere;

vertical structure of temperature, pressure and humidity,

applied altimetry;

wind and global circulation;

numeric modelling and observational networks

satellite- and radar images

current climate issues

Previous knowledge:

Entrance qualification in natural sciences for a university of applied sciences

Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*2L
Tutorial/Practicum	7*2L
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
	Exam during the semester	
	Further assessments	

Language of instruction:

German

Instruction material:

Script and other literature provided by the lecturer as detailed on the 'BScAV' intranet.

ISBN title author(s) publisher print run year of publication

3-9522668-2-5 Aviation Meteorology K.H. Hack www.aviamet.ch 1 2003

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Comments:

The combination of AMET1+AMET2 covers the content of ICAO-syllabus 050 (METEOROLOGY). However, the aim of this course is to teach students more than the minimum that is required for pilot training.