

t.AMET1 - Atmosphere and Meteorology 1

Person responsible for the course: Bruno Neining, nuno
Credits: 3
Valid for: 2009/2010
Last saved: 23.08.2010 17:10

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,
- know how to use the documents for self-study,
- are able to understand the English terminology used in the textbook.

Course content:

- introduction to the earth's atmosphere,
- vertical structure of temperature, pressure and humidity,
- applied altimetry,
- wind and global circulation,
- numeric modelling and meteorological 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:

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

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

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.