

## t.AMET1 - Atmosphäre und Meteorologie 1

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**Person responsible for the course:** Bruno Neining, nuno

**Responsible OU:**

**ECTS:** 3

**Valid for:** 2012/2013

**Last saved:** 29.05.2013 11:23

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**Expertise:**

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**Methodological skills:**

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**Social skills:**

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**Personal skills:**

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**Learning objectives:**

The students

- learn about the earth's atmosphere and the basics of its physical features;
  - recognise the relevance for aviation;
  - are able to collect and interpret information concerning the current weather situation;
  - can follow the public debate on weather and climate;
  - use the documents for self-study;
  - are able to understand the English terminology.
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**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
  - Discussion of the current weather
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**Previous knowledge:**

Entrance qualification in natural sciences for a university of applied sciences

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**Teaching method:**

Type of lesson:	Number of lessons per week:
Lecture	14*2L
Tutorial/Practicum	7*2L
Block instruction	

**Assessment:**

According to the table or as specified in writing by the lecture at the beginning of the semester!

description	type	form	scope	assessment	weighting
Performance records during school hours					
Semester end exam					

**Language of instruction:**

English

**Instruction material:**

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

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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**Additional literature:**

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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.