

t.AMET2 - Atmosphäre und Meteorologie 2

Person responsible for the course: Bruno Neininger, nuno

Responsible OU:

ECTS: 3

Valid for: 2012/2013

Last saved: 29.05.2013 11:28

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:

Same learning objectives as in AMET1.

The basics from AMET 1 are dealt with in greater detail and can be applied in practice. In particular this means that current meteorological conditions and their impact on aviation (on a flight from A to B, on air traffic in general and on the configuration of aerial vehicles) are understood properly.

Students who intend to obtain a licence must be able to pass the official test in English.

Course content:

- Thermodynamics, stability, humidity, clouds;
- Precipitation and storms;
- Airmasses and weather fronts;
- Meteorological dangers for aviation;
- Formal weather information reporting (METAR, TAF, GAFOR, SWC, ...)
- Repetition of the material covered in AMET1, interface to other
- Relevance for other courses in later semesters

Previous knowledge:

AMET 1

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 publishing

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:

AMET1+AMET2 cover the material of ICAO-Syllabus 050 (METEOROLOGY) but aim to provide a more detailed introduction to the basic principles. Both courses go beyond what is normally required for a pilot training course.

This is a dual course that is also relevant for JAR-FCL 050. Please note that the final exam serves two purposes. It is also required later on in order to obtain a pilot's licence from FOCA.

Lessons that are cancelled due to public holidays have to be compensated with self-study work. The lecturer may organise additional extracurricular lessons at his discretion (whenever possible for all classes together).