

t.AMET2 - Atmosphere and Meteorology 2

Person responsible for the course: Bruno Neining, nuno
Credits: 3
Valid for: 2009/2010
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Learning objectives:

Same learning objectives as in AMET1.

The volume of the material is more or less the same. However, 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 (mist and cloud)
- 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 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
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, counts for 80% of the final mark
1	Exam during the semester	1, counts for 20% of the final mark
1	Assessment test	1, counts separately as one mark

Language of instruction:

German, but also using English language templates, literature and terminology

Instruction material:

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

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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).