t.ATM1 - Air Traffic Management 1

Person responsible for the course:	Peter Tiegel, td16
Credits:	3
Valid for:	2010/2011
Last saved:	15.11.2010 13:35

Learning objectives:

The students:

- know and use the various publications of AIM

- know the principal processes of AIM with the pertinent regulation

-know the basic processes of ATM

-understand the strengths and weaknesses of todays ATM procedures and systems

-know the basics and processes of Air Traffic Flow and Capacity Management and of Airspace Management

-know the design rules for a LTO cycle

Course content:

ICAO Annex 15: Aeronautical Information Service

ICAO Annex 11: Air Traffic Services

Flightplans, AIP, NOTAM, geographical information systems (GIS)

Skyguide and Swiss Air Force (Flexible Use of Airspace)

ATS (Delivery, Ground, Apron Management, Aerodrome Control, Departure & Approach, Area Control)

Aeronautical Fixed Telecommunication Service (AFTN)

CFMU and Slot Allocation (CTOT)

LTO cycle (Landing-Take Off): Definition & Design

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*(2L+2L)
Tutorial/Practicum	
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	80%
1	Exam during the semester	20%
	Further assessments	

Language of instruction:

German

Instruction material:

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Comments:

Lecturer: Peter Tiegel and guest from skyguide