

t.ATM1 - Air Traffic Management 1

Person responsible for the course: Peter Tiegel, td16
Credits: 3
Valid for: 2009/2010
Last saved: 06.07.2010 16:08

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 today's 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:

-

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
2	End of term exam	30% each
2	Exam during the semester	20% each
	Further assessments	

Language of instruction:

German

Instruction material:

-

Comments:

lecturer: Peter Tiegel and guest speakers from skyguide